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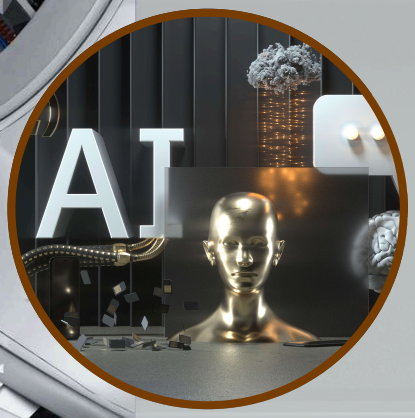
AI 2.0

Beyond Chatgpt



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The Rise of Multimodal & Emotional AI

The Future Isn't Just Smart, It's Human

Artificial intelligence used to feel like a powerful but distant tool-great for crunching data or automating tasks, but not much more. Think of ChatGPT: it was a game-changer for text, but it only ever understood one piece of the puzzle. We're now entering a new era of AI—one that's not just intelligent, but empathetic and truly collaborative. This is what I call I 2.0.

This new phase of AI, with its focus on multimodality and emotional intelligence, is changing our relationship with technology from a simple query and-response to a genuine partnership.

Seeing, Hearing, and Feeling the World

The biggest shift is the move beyond text. While ChatGPT opened our eyes to what was possible with words, the next generation of AI is learning to interact with the world like we do. These multimodal models can now process and understand:

• Images- Analyzing charts, recognizing patterns in photos and even understanding memes
. • Audio and Speech- Picking up on tone, pitch and mood, not just the words being spoken.
• Video- Interpreting actions, expressions and events in a dynamic way.

From Logic to Empathy

The most impressive part of this evolution is the focus on emotional AI. In the past, AI felt logical but cold, like a calculator with a powerful brain. Now, it's learning to read between the lines. It can detect stress in your voice during a late-night study session, offer a word of encouragement when you're feeling down, and even adjust its tone to make you feel more comfortable.

My Personal Experience

I've had the chance to experiment with these models firsthand, and the difference is incredible. The old chatbots were like a library-you go in, find a book and get your answer. But today's multimodal models feel more like a teammate.

For a recent project, I didn't just ask an AI to draft a report. I uploaded my rough ideas as a picture, gave it a voice note explaining my vision, and it not only wrote the report but also created presentation slides with custom visuals. It even adjusted its tone to make the content feel more inspiring. The entire process felt less like "using a tool" and more like "collaborating with a partner."

Our Next Step as Students

As final year BCA students, this isn't just a cool new topic; it's a direct glimpse into our future.

• **New Career Paths**- This opens up incredible opportunities in AI research, UX design, data science, and content creation that blend technical skills with creative thinking.

• **Responsibility-** We have a chance to build the next generation of applications that are not just efficient, but also empathetic and ethical. Our work will shape how technology interacts with people.

The Journey Ahead

We are at the beginning of an era where AI is becoming a genuine partner empathetic, collaborative and incredibly versatile. The journey ahead is clear and exciting. We're moving beyond simple answers. AI will no longer just answer-it will understand.

-Mishti Bareja
BCA 3rd Yr Shift-1

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Summer Training 2025: Project Highlights

The golden pearls of Summer Training are passed down, batch after batch, to juniors taking up the senior baton. The weight of being able to choose what you study, every day, for 4-6 weeks, it sits like two sides of a coin, a nightmare and a freedom to learn and create.

The Summer Training of 2025 leaned into that freedom. We dabbled new knowledge, skills, and hyper fixated on a real world challenge of choice. And the magic of giving students the tools, the time, and the freedom to create, results in what led to this article.

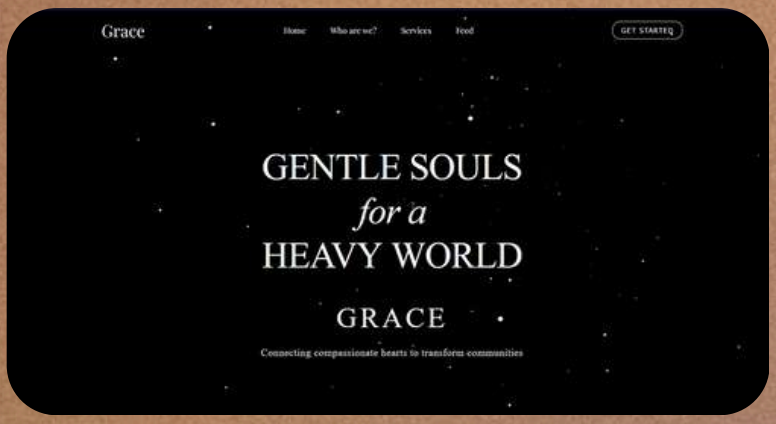
Over the months of June and July, students worked in teams, learning MERN and FLUTTER technologies, building projects that solved problems spanning logistics, e-commerce, health, public service, social impact, and more.

Here's some of the most notable projects of the summer:

Grace – MERN

By Rajat Malhotra, Aditi Singh, Rachit Pal, Satyarth Sahu

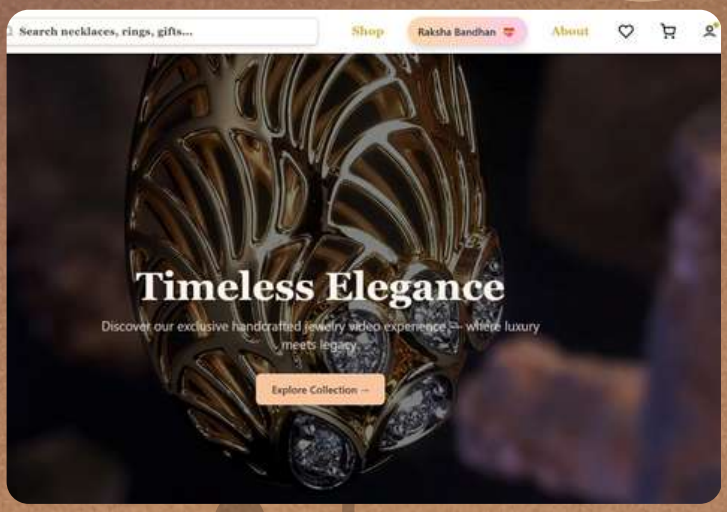
Grace is a platform built to bring NGOs, volunteers, and donors together on one meaningful stage. NGOs often struggle with scattered data and limited visibility; Grace steps in with tools to streamline management and outreach. Targeted at grassroot NGOs, confused volunteers, and sceptical donors, Grace is all about channelling goodwill into real, traceable impact.



Aurea – MERN

By Kavyansh Mehta, Devansh Singh, Monika

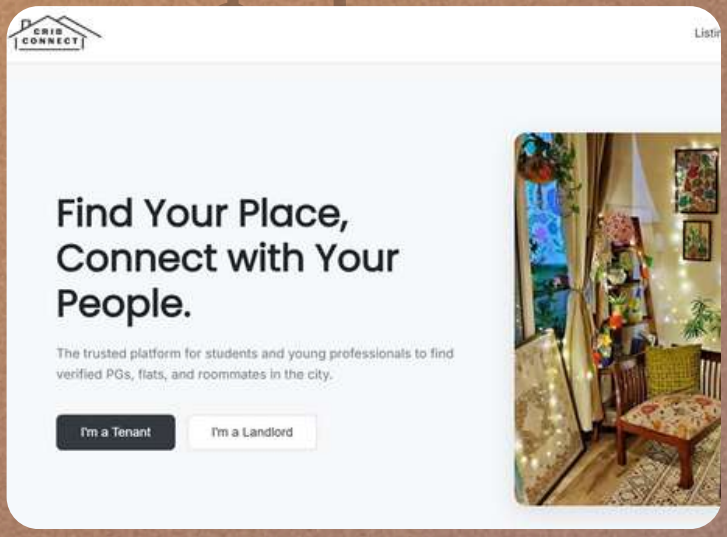
Aurea Jewellery Website is an e-commerce platform blending elegance with technology. With secure transactions, smart search, and seamless checkout, it features a Virtual Try-On for digital previews and an AI chatbot, delivering a smarter, more immersive shopping experience for customers and businesses.



Crib Connect – MERN

By Manawi Choudhary, Meenakshi Singh, Himanshi Tomer

Crib Connect is a rental platform for students and young professionals in Delhi. With distance-based listings, verified badges, and consent-first messaging, it ensures safety and trust. Its tenant-only community enables questions, experiences, and roommate discovery, making it more support system than portal. Cribby, the AI chatbot, offers instant guidance.



HAVEN – FLUTTER

By Aaruniy, Pragya, Prachi

HAVEN is a housing and job discovery app for the LGBTQ+ community. With verified rental listings, curated job opportunities, map-based search, and secure authentication, it fosters safety, inclusivity, and dignity, creating a trusted space for equal access in housing and employment.

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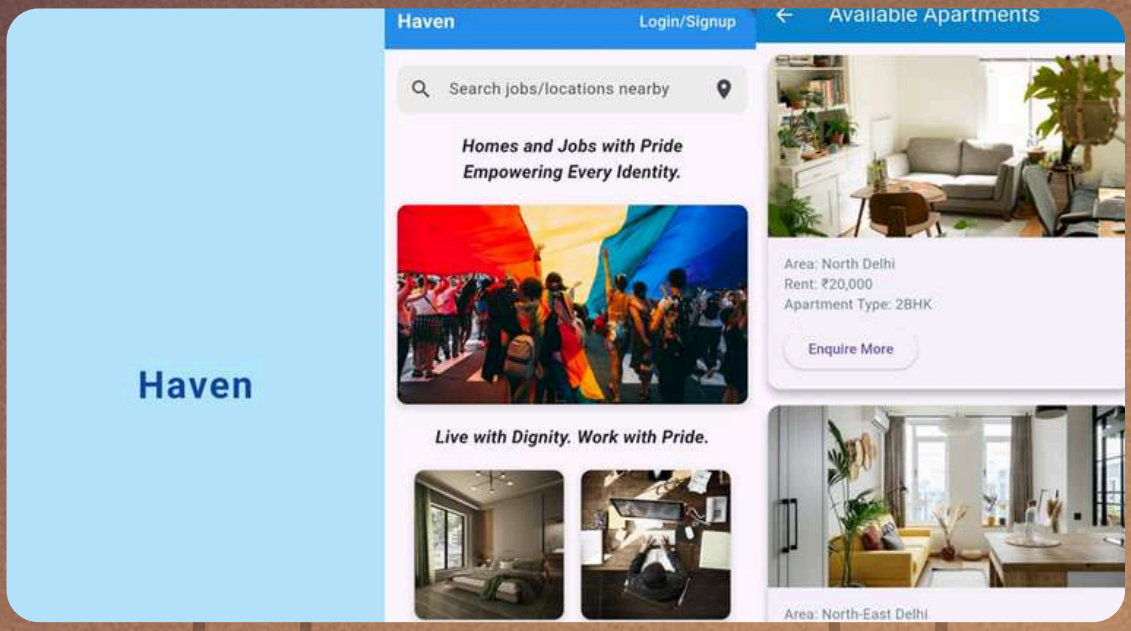


Logivery – FLUTTER

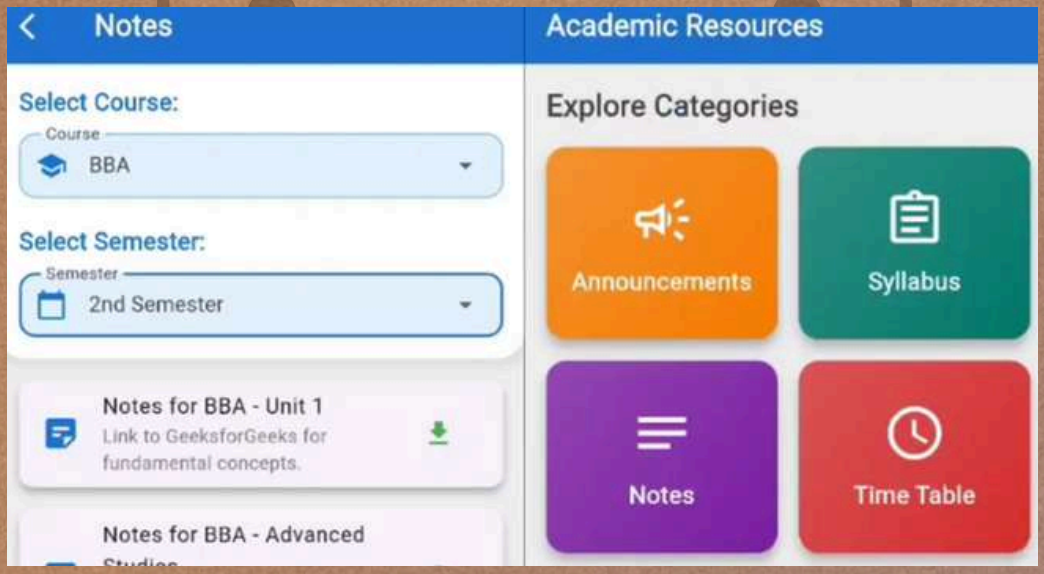
By Yash, Akshat Rathore , Mudit

Logivery is a logistics management app for corporates and managers. It centralizes consignments with real-time tracking, assignment logs, and smooth coordination of deliveries. By reducing clutter and improving accountability, it turns logistics chaos into clarity, speed, and reliability.

CampusCore – FLUTTER

By Saanvi Narula, Ishika, Tejaswini

Campuscore is a unified student platform combining events, academic resources, alumni network, profiles, and key announcements, all in one place. It simplifies access, fosters alumni referrals, faculty guidance for final years, and senior support for juniors, reducing dependency on scattered chats.



These projects weren't just assignments, they were late nights, coffee and deadlines, and figuring out how to center divs and align components. Through stumbles, debugs, and chaos, came out ideas that actually work.

And that's just six of twenty-six projects.

Himanshi Tomer
BCA, 3rd Year, 1st Shift

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The paper **"Overview of AI and communication for 6G network: fundamentals, challenges, and future research opportunities"** explores how artificial intelligence (AI) and sixth-generation (6G) networks are merging and why this will be critically important for the future of wireless communication.

The authors break this integration into three stages:

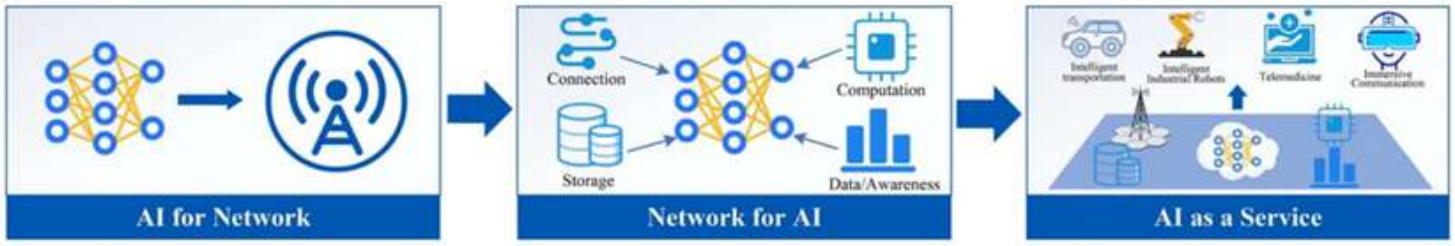

Figure 3 (Color online) Extent of 6G and AI integration: AI for network, network for AI, and AI as a service.

1. AI for Network (AI4NET) – Here, AI is used to make networks faster, smarter, and more efficient. That could mean better handling of the wireless "air interface" (things like channel feedback, beamforming, and location accuracy) and improving day-to-day operations like traffic prediction, energy savings at base stations, and faster fault detection.

2. Network for AI (NET4AI)– This flips the idea around: instead of AI just helping the network, the network itself becomes a platform that actively supports AI. 6G will be designed to provide the computing power, data management, and security that AI needs, with advanced architectures like "three layers and six planes" to handle distributed learning, digital twins, and real-time adaptation.

3. AI as a Service (AIaaS) – In the future, 6G won't just carry data; it will deliver built-in AI capabilities to users and industries. Imagine AI services being as accessible as today's internet connection — powering everything from immersive holographic communication to intelligent robotics, precision medicine, and smart transportation.

Why this matters:

AI will move networks beyond fixed rules and settings, allowing them to self-optimize in real time — even in complicated and fast-changing situations. At the same time, 6G will give AI a rich playground: enormous amounts of real-world data, distributed computing right at the edge, and secure collaboration between devices.

Key enabling technologies include semantic communications (transmitting meaning instead of raw data), computing power networks, secure multi-party computation, and digital twins — all of which will help make AI-powered networking more efficient and trustworthy.

Challenges:

- AI models need to be reliable and stable in dynamic environments.
- Data will be messy, inconsistent, and privacy-sensitive.
- Real-time, low-latency AI will push energy and processing limits.
- Networks and AI must be designed to work together securely and ethically.

The paper also reviews progress in standardization, with groups like ITU, 3GPP, and ETSI already working on architectures, interfaces, and performance benchmarks for AI-driven wireless systems.

In the end, the authors see 6G supporting a major shift — from networks that simply connect devices to platforms that deliver intelligent services everywhere. AI4NET, NET4AI, and AIaaS are stepping stones toward that vision, while large, specialized AI models for wireless networks will be central to automating and optimizing the systems of tomorrow.

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The Reality of BCA Internships & Competition

When I joined BCA, I thought the journey would be very straightforward. I believed that if I studied well, scored good marks, and followed what the teachers said, then by the time internships came, things would fall into place automatically. But the reality I faced was very different. Internships are not served to you just because you are a student; you have to chase them, prepare for them, and also be ready for rejection.

The first shock I got was the level of competition. There are thousands of BCA students out there, and most of them are applying for the same limited number of internship openings. Sometimes, a single internship posting has hundreds of applications. Many companies prefer students who already have experience, which feels unfair because the whole point of internships is to gain that first experience. It's like being stuck in a loop—you don't get selected because you lack experience, and you can't gain experience because you don't get selected.

Another reality is that most internships available for BCA students are unpaid or pay very little. At first, I felt disappointed by this, but later I understood that the value of these internships is not always in the money. Even in unpaid roles, you can learn something that helps you later, whether it's about teamwork, coding practices, or just how companies work.

I remember my first rejection very clearly. I had applied to a startup thinking they would give me a chance since I was fresh. I even prepared for the interview by reading technical questions online. But after the call, they never replied back. At first, it was disheartening. Slowly, I realized this happens to almost everyone. Some companies won't even bother to send a rejection mail.

Now, one more factor that has changed things in the last couple of years is AI. Earlier, companies would hire interns even for basic data entry, research, or repetitive coding tasks. But now many of these tasks are being done faster with AI tools like ChatGPT, GitHub Copilot, or even automated data analysis systems. This has reduced the demand for fresh interns in certain areas, especially where the work is repetitive. On the other hand, companies now expect interns to know how to use AI tools smartly to improve their work, so the competition is not just with students anymore, but also with AI itself.

In between these rejections and small opportunities, I realized something important—college alone is not enough. If you only depend on college, you will be left behind. You have to learn skills on your own, outside of the syllabus. For me, working on small projects helped a lot. Even simple things like creating a basic website or building a Python program gave me confidence and also something to show during applications. Learning to use AI tools in projects also gave me an edge, because it shows adaptability.

My advice to other BCA students would be: don't take rejection personally. Everyone is facing it, even the toppers. Keep applying, keep learning, and most importantly, keep creating projects on your own. Skills and consistency matter more than grades when it comes to internships. And in today's time, it's equally important to know how to work with AI tools instead of ignoring them, because that's what companies are looking for. Try to focus on one or two areas like web development, app development, or data analysis instead of running after everything.

In the end, the internship struggle teaches you more than just technical knowledge. It teaches patience, persistence, and the value of self-learning. Rejections are not the end; they are just a step in the journey. If you keep putting in honest effort and also adapt to new changes like AI in the workplace, opportunities will definitely come your way.

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BCA 3rd year (1 shift)