

# Himanshu Kumar

Bachelor of Technology, Computer Science and Engineering (AI & ML)  
Brainware University, Kolkata

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## Profile

- Enthusiastic B.Tech CSE (AI & ML) student with hands-on experience in full-stack development and generative AI. Passionate about solving real-world problems using modern web technologies and machine learning.

## Education

### Brainware University, Kolkata

Aug 2022 – Aug 2026

Bachelor of Technology in Computer Science and Engineering (AI & ML)

CGPA: 7.62/10

- Relevant Coursework:** OOP, DBMS, DSA, OS, CN, Cloud Computing, Machine Learning, Neural Networks, Deep Learning

## Projects

### Moment – Full-Stack Social Media Platform

May 2025 – June 2025

Feature-rich platform with user auth, bookmarks, and real-time interactions.

- Developed MERN app with dynamic post feeds, Google OAuth, JWT-based auth, and public/private profiles.
- Optimized MongoDB queries and used Cloudinary to manage 500+ image uploads smoothly.
- Built fully responsive UI with Tailwind CSS and protected routes via Express middleware.
- Tech: React.js, Node.js, Express.js, MongoDB, Tailwind, Cloudinary, JWT

### BharatGPT – Multilingual AI Assistant for India

Apr 2025 – May 2025

Smart assistant for voice-based government help and language translation.

- Built chatbot with OpenAI + Bhashini NLP, achieving 95% translation accuracy across 7 Indian languages.
- Integrated auto-form filling and UPI mock API to simulate real-time government workflows.
- Deployed to Vercel with MongoDB backend; designed mobile-first responsive UI.
- Tech: Next.js, OpenAI, MongoDB, Bhashini API, Tailwind, Framer Motion

### ComicCrafter AI – Prompt-to-Comic Generator

March 2025

Turns text prompts into comics using story + image generation models.

- Used DistilGPT-2 for narrative generation and ControlNet + Stable Diffusion for custom comic panels.
- Created Gradio UI supporting 200+ uploads with improved character consistency via JSON-based library.
- Reduced rendering time by 25% through model optimization and lazy-loading panels.
- Tech: Python, Gradio, PyTorch, ControlNet, OpenCV, Pillow

## Experience

### Intel Unnati Industrial Training

Feb – Mar 2025

Eduagate (Remote Internship)

Remote

- Built ML pipelines for story and image generation using DistilGPT-2 and Stable Diffusion, improving generation speed by 30%.
- Deployed models on Intel DevCloud, enabling scalable inference and performance benchmarking.
- Collaborated in an agile team with Git-based version control and detailed documentation workflows.

## Technical Skills

- Languages:** Python | JavaScript | C/C++ | Java
- Frameworks & Libraries:** React.js | Next.js | Node.js | Express.js | Tailwind CSS | Framer Motion
- AI/ML:** OpenAI API | PyTorch | Scikit-learn | ControlNet | Stable Diffusion
- Databases:** MongoDB | PostgreSQL (Basic)
- DevTools & Platforms:** Git | GitHub | Postman | Vercel | Netlify | Intel DevCloud | Cloudinary
- Other:** REST APIs | JSON | Responsive Web Design | Agile Workflow | Figma (UI Design)

## Achievements

- Finalist in **HexaFalls Hackathon 2025** – Ranked in top 10 out of 300+ teams for building a 3D AI digital human platform in a 32-hour challenge.
- Developed and deployed **5+ full-stack projects** with real-world use cases, achieving 1000+ combined user interactions.
- Selected for **Intel Unnati Industrial Training** – built scalable ML pipelines and deployed models on Intel DevCloud.

## Interests

- Generative AI, Hackathons, Open Source, Anime-themed UI Design, 3D Web Apps

## Certifications

- **React.js Certification** – Udemy, 40+ hour bootcamp with hands-on projects *2024*
- **JavaScript Certification** – Udemy, covered ES6+, async JS, and DOM manipulation *2024*
- **Front-End Developer Certification** – Udemy, HTML/CSS, responsive design, projects *2024*
- **Python Certification** – Udemy, foundational programming and OOP with projects *2022*