

Ankit Kumar Gupta

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Profile Summary

Skilled in Java (DSA), React.js, Next.js, Node.js, REST APIs, and backend systems with MySQL and MongoDB. 5x Hackathon finalist with projects in AI, and scalable real-world systems. Actively exploring Generative AI and its integration into full-stack applications.

Education

Quantum University

Bachelor of Technology (B.Tech) in Computer Science and Engineering (AIML)

Roorkee, India

CGPA: 8.1 | Aug 2023 - Jun 2027

Experience

Top 30 out of 150+ teams | Team Lead

May 2025

Galgotias International Hackathon

Noida

- **“Aranya” Decentralized Wildlife Conservation Platform** – A blockchain-powered platform combining AI and geospatial tech to promote eco-tourism and citizen-led biodiversity efforts.
- Contributed to smart contract integration and GPS tagging using Web3 tools like Solidity and IPFS.
- Built an **AI-powered animal chatbot** and **3D biodiversity map** for public engagement and real-time exploration.
- Developed reusable React components and connected them with smart contracts and geolocation APIs.
- **Tech stack:** React.js, Tailwind CSS, Three.js, Framer Motion, Solidity, IPFS, Web3 tools, LLMs, Real-time Geolocation

Hackathon Winner

April 2024

Annual Fest, Quantum University

Roorkee, Uttarakhand

- **Swastha**– Real-time remote healthcare system featuring **IoT monitoring and an NLP-based chatbot** for medical queries.
- Developed a real-time IoT-based health monitoring system using **Arduino Uno** and a chatbot powered by Natural Language Processing (NLP) for medical queries.
- Collaborated with teammates who handled **IoT integration, AI chatbot, and automation**.
- Managed **100+ real-time patient cases**, reducing manual processing by **70%**.
- **Tech Stack:** HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Firebase, Arduino Uno, NLP, version control

Projects

My Portfolio (portfolio-v1) | [Live](#) | [Github](#)

Apr 2025

- Developed a **modern, responsive portfolio** using **React** and **Vite**, implementing **dark/light mode** for improved accessibility.
- Added **smooth animations** with **Framer Motion** to enhance **user experience** and **visual appeal**.
- Integrated a chat-based AI assistant using the Gemini API to handle real-time queries about skills, projects, and experience.
- **Tech Stack:** React, Vite, Tailwind CSS, Framer Motion, Gemini API

NeuraChat | Real-time Chat Application | [Live](#) | [Github](#)

Oct 2025

- Built a real-time chat platform enabling instant multi-user messaging using **WebSockets** with **end-to-end encryption**.
- Implemented secure **authentication, online/offline status, and typing indicators** for a seamless experience.
- Integrated **AI-powered responses** via **OpenAI API** for intelligent and contextual conversations.
- Designed a responsive chat UI using **React.js** and managed state efficiently with **Redux**.
- **Tech Stack:** React.js, Node.js, Express.js, WebSocket, Redux, OpenAI API, MongoDB, Libsodium

Napster | Movie Recommendation System | [Live](#) | [Github](#)

Dec 2024

- Developed a system that provides personalized movie suggestions, increasing content engagement by **35%**.
- Implemented a **real-time filtering algorithm**, delivering dynamic movie suggestions.
- Integrated **external APIs** for live data fetching and automated content updates.
- Optimized data flow and component rendering, improving app performance and loading speed by **40%**.
- **Tech Stack:** HTML, Tailwind CSS, React, JavaScript, REST APIs, Node.js.

Wanderlust | Airbnb-like Platform | [Github](#)

Aug 2024

- Built a full-stack travel accommodation platform similar to Airbnb.
- Implemented **property listings, booking system, and secure user authentication** for **50+** user accounts.
- Integrated REST APIs to ensure smooth login and booking flow, with **95%** test pass rate during development.
- **Tech Stack:** MongoDB, Express.js, React, Node.js (MERN).

Technical skills

Languages: C/C++(Basic), Java, Python, HTML, CSS, JavaScript, SQL (MySQL), Linux, TypeScript, PostgreSQL

Frameworks: Next.js, Express.js, Bootstrap, Tailwind CSS, Node.js, UI/UX, LangChain, LangGraph

Dev Tools: Git, GitHub, AWS (Cloud Services), API Design and Development, Docker, Gitlab CI/CD, Postman, n8n

Libraries: React.js, MongoDB, REST APIs, FastAPI

CS Fundamentals: Data Structures and Algorithms, Object Oriented Programming, OS, DBMS, CN, System Design, Microservices