Ankit Kumar Gupta

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Portfolio: https://www.ankitdev.xyz | linkedin.com/in/iamankit-gupta | github.com/ankit-gupta-git

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   **Roorkee, India**
Bachelor of Technology (B.Tech) in Computer Science and Engineering (AIML)   CGPA: 8.1 | Aug 2023 - Jun 2027
Sri Guru Nanak Public School   **Ramgarh, Jharkhand**
XII (CBSE)   62.4% | 2022

Experience

Academic Research   **May 2025**
Quantum University   Roorkee, Uttarakhand
- Co-authored a research paper titled "AI-Driven Solutions for Social Engineering Attack Prevention", published in IJPREMS (Impact Factor: 7.001).
- Explored AI-based cybersecurity techniques like NLP, behavioral analytics, and predictive modeling for real-time detection of phishing and social engineering attacks.

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

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.
- **Tech Stack**: HTML, Tailwind CSS, React, JavaScript, API, 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: Java, Python, HTML, CSS, JavaScript, SQL (MySQL), Linux, TypeScript, PostgreSQL

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

Dev Tools: Git, GitHub, Azure, AWS (Cloud Services), API Design and Development, AI Integration, Docker, Gitlab, Postman

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

CS Fundamentals: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, DBMS, Computer Networking