Yankit Rajor

📞 +91 9213396062 ✉️ yankit7039@gmail.com in Yankit Rajor ⭕ Yankit7039 🌐 Portfolio

Education

Netaji Subhas University of Technology(Main Campus, New Delhi) **2026**
Bachelor of Technology in Computer Science(Data Science) *CGPA : 7.20/10*

Indraprastha World School, New Delhi **2022**
Senior Secondary CBSE *90%*

Technical Skills

Frontend: HTML, CSS, JavaScript, React.js, Bootstrap, Next.js
Backend: Node.js, FastAPI, REST API Development
Databases: MySQL, MongoDB
Programming Languages: Python, C, C++
AI/ML: Decision Trees, Linear Regression, Model Evaluation, Hugging Face Transformers, OpenAI API, Google ADK
Distributed Systems: Microservices, API orchestration, Agentic architecture (Zerodha MCP server)
Infrastructure & Tooling: Git, GitHub, Postman, VS Code, Jupyter, Docker (basic), CI/CD workflows
Academic Courses: OOP, Operating Systems, DBMS, Computer Networks, Big Data Analytics, Computer Architecture

Experience

Vfoundry.AI **Jun 2025 – Present**
Full Stack Web Developer *Remote*
- Built 3+ internal tools using FastAPI, Next.js, and MongoDB to streamline agentic task workflows and reduce latency.
- Designed responsive front-end interfaces and dashboards, improving usability across AI-driven features.
- Developed and deployed an AI-powered invoice generator that translated natural language into structured outputs.
- Integrated backend tool invocation into multi-agent flows using chat-based interfaces for real-time task execution.
- Worked with Zerodha's MCP server and agentic architectures to orchestrate intelligent multi-agent task execution.

Zidio Development **Sep 2024 – Nov 2024**
Web Development Intern *Remote*
- Contributed to enhancing user experience by designing and implementing website animations.
- Developed dynamic front-end features using React.js and integrated them with back-end services.
- Utilized Node.js and MongoDB to manage and display data effectively on the front end.
- Collaborated with remote team to build full-stack web applications using the MERN stack.

Projects

SmartSoil – IoT-Based Smart Irrigation System | *ESP8266, Sensors, Arduino IDE, Python*
- Designed an automated irrigation system using real-time sensor and weather data to control water flow.
- Integrated 3+ sensors (DHT11, I2C moisture) to monitor environmental parameters and optimize scheduling.
- Connected live weather APIs for dynamic irrigation logic, reducing water usage by over 40%.
- Enabled wireless pump control via NodeMCU and relay modules with remote access capability.

ReelNest – Content Sharing Platform | *Next.js, REST API, Vercel, MongoDB* | Live Demo
- Built a full-stack social platform using Next.js with SSR and REST APIs for post sharing and discovery.
- Implemented authentication, post creation, and personalized profiles managing 200+ posts.
- Structured MongoDB schemas to handle users, posts, and sessions with optimized query performance.
- Deployed to Vercel with production-grade setup for global availability and fast content delivery.

ZeroChat – Chat Interface for AI Tool Access | *Next.js, FastAPI, MongoDB, Zerodha MCP, Google ADK*
- Built a full-stack AI assistant enabling Zerodha Kite login and access to 15+ tools via natural language.
- Used Google ADK Agent for dialog flow, session handling, and tool invocation.
- Implemented auth, backend workflows, and modular API design for future scalability.
- Focused on low-latency task execution and chat-based agent interaction.

Achievements

Solved **700+ DSA problems** at varioud platforms (**LeetCode Rating : 1513**)
Certified in **Artificial Intelligence** by **Rinex.AI** in collaboration with IIT Bhubaneswar
Certified in **Supervised Machine Learning** by **DeepLearning.AI**

Involvements

Played a leadership role as a senior member of IEEE(Asia's largest technical society).
Directed and coordinated multiple events as part of MOKSHA, the annual college festival.