Yankit Rajor

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Education

Netaji Subhas University of Technology(Main Campus, New Delhi) **2026**
Bachelor of Technology in Computer Science(Data Science)

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

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++
Machine Learning: Decision Trees, Linear Regression, Model Evaluation
Developer Tools: Git, GitHub, VS Code, Jupyter, IDLE
Academic Courses: Object-Oriented Programming (OOP), Operating Systems (OS), DBMS, Computer Networks, Big Data Analytics, Computer Architecture

Experience

Vfoundry.AI **Jun 2025 – Present**
Full Stack Web Developer *Remote*
- Built and maintained workflow tools using FastAPI, Next.js, and MongoDB for efficient task orchestration.
- Designed and developed front-end interfaces across projects, improving user experience and accessibility.
- Built an AI-powered invoice tool for agentic AI, allowing users to generate invoices via natural language.
- Integrated tool invocation into agentic flows, enabling backend actions through chat-based interfaces.
- Worked with MCP servers and agentic architectures to support intelligent 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 (MongoDB, Express.js, React.js, Node.js).

Projects

SmartSoil – Intelligent IoT-Based Irrigation System | *ESP8266, Sensors, Arduino IDE, Python*
- Engineered a smart irrigation system automating water flow based on real-time sensor and weather data.
- Integrated 3+ sensors (DHT11, I2C moisture) to monitor environmental parameters and optimize watering.
- Leveraged live weather APIs to dynamically schedule irrigation, reducing water usage by over 40 percent.
- Enabled wireless pump control and remote scheduling via NodeMCU and relay modules interface.

ReelNest | *NextJS, REST API, Vercel, MongoDB* | Live Demo
- Developed a full-stack content sharing platform entirely using NextJS with server-side rendering and REST APIs.
- Implemented user authentication, post creation, and personalized profiles managing over 200+ posts efficiently.
- Designed MongoDB schemas to handle user data, post metadata, and session tracking with optimal query performance.
- Deployed the project on Vercel for global availability; original production URL to be updated post final deployment.

TextUtil – Text Transformation Web App | *React.js, JavaScript, Bootstrap, Vercel* | Live Demo
- Developed a responsive text transformation web app using React.js and functional components.
- Implemented real-time text analysis with features like case conversion, extra space removal, and counters.
- Used Bootstrap for adaptive design and deployed on Vercel for global accessibility.
- Enhanced UX with light/dark mode and performance optimization.

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.