Sarthak Kanoi

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Education

Raj Kumar Goel Institute Of Technology, Ghaziabad   *CGPA: 8.50*
Bachelor of Technology in Computer Science and Engineering (IoT)   2023-2027
RPM Academy, Gorakhpur   *Percentage: 87.6*
Senior Secondary (XII)   2022-2023
RPM Academy, Gorakhpur   *Percentage: 89.9*
Secondary (X)   2020-2021

Projects

AI Job Analyzer & Job Match System   *May'25-June'25*
A MERN + OpenAI-powered platform for resume evaluation and personalized job recommendations

- **Developed an AI-driven platform** that analyzes resumes using OpenAI models to generate personalized insights on skills, gaps, and improvements.
- **Implemented intelligent job-matching** by ranking openings using resume keywords, skills, user preferences, and similarity scores.
- **Built a responsive dashboard** with React for uploading resumes, viewing AI insights, and tracking job recommendations.
- O**ptimized backend performance, reducing query latency by ~35%** through efficiency indexing and API restructuring.
- **Tech Stack**: React.js, Node.js, Express, MongoDB, OpenAI API, Tailwind CSS, JWT.

Link Vault   *July'25–Aug'25*
A MERN stack productive app for storing, organizing, and sharing curated links and learning resources

- **Build a scalable MERN architecture** enabling fast link saving, retrieval, and categorization across multiple platforms.
- **Implemented JWT-based authentication** (signup, login, logout), ensuring secure access and smooth user overflows.
- **Engineered a modular React UI** with reusable components (cards, modals, sidebar), improving browsing speed and reducing interface clutter.
- **Added user-friendly features** like custom categories and real-time filtering to improve productivity.
- **Tech Stack:** React, TypeScript, Tailwind CSS, Node.js, Express, MongoDB, JWT

Technical Skills

Languages: Java, C++, Python, JavaScript, Node.js, TypeScript, Express, MongoDB

Frameworks/Libraries: React.js, Tailwind CSS

Developer Tools: Git, Visual Studio Code, Replit, MATLAB

Coursework: Data Structures and Algorithms, Computer Networks, Object-Oriented Programming, Database Management Systems, Operating Systems

Achievements

- **Problem solving:** Solved over **250**+ Data Structures and Algorithms problems across platforms including LeetCode and GeeksforGeeks.
- **Completed Walmart Global Tech – Advanced Software Engineering Job Simulation (Forage):** Worked on advanced data structures, software architecture, and relational DB design tasks.
- **Completed Wells Fargo – Software Engineering Job Simulation (Forage):** Built and implemented data models and software solutions aligned with real-world engineering workflows.
- **Completed AWS Cloud Training:** Getting Started With DevOps on AWS and AWS CLI Basics, gaining hands-on experience with cloud workflows and DevOps fundamentals.
- **Completed Deloitte – Data Analytics Job Simulation (Forage):** Performed data analytics & forensic investigation tasks using industry-standard techniques.

Positions of Responsibility & Competitions

Smart India Hackathon (SIH) – College Level Qualifier (2025)

- Developed a drop-bot prototype capable of autonomously detecting obstacles and dynamically adjusting its paths using ultrasonic sensors and microcontroller logic.
- Collaborated with a 6-member team to design hardware + software integration, improving detection accuracy during prototype testing.