RANVIJAY KUMAR

Maharashtra, India

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EDUCATION

Indian Institute of Information Technology, Nagpur   **2022 – 2026**
B.Tech - Computer Science and Engineering - CGPA - 7.75   Nagpur, Maharashtra

EXPERIENCE

NeuraCamp (NY-based Startup) – Software Engineering Intern (Remote)   **May 2025 – Present**
- Collaborated with NY-based founders to architect and launch a data science coding platform, implementing core database schemas for code execution, submission tracking, and modular system design.
- Architected a scalable Python-based code execution engine using Judge0 CE and Docker, tailored for ML/DL workloads and capable of supporting 50,000+ concurrent sandboxed executions.
- Prepared a production-grade Kubernetes deployment with autoscaling and job orchestration, architect to support thousands of concurrent code executions with high availability and zero-downtime resilience.

PROJECT EXPERIENCE

Codebit: Integrated Coding Platform 🔗 | **Tech Stack:** React, Tailwind, Node, MongoDB, Docker   **2025**
- Designed and implemented secure RESTful APIs for user management, contest integration, and code submission workflows using Express and MongoDB.
- Integrated LeetCode, Codeforces, and CodeChef APIs to aggregate user data and deliver competitive programming insights, progress trends, and engagement metrics for 1,000+ users.
- Built a Dockerized C++ code execution system with sandboxing to isolate runtime environments, reducing code failures by 40%.
- Deployed an interactive community module and global leaderboard to support authenticated discussions and real-time rankings of 1,000+ active coders.

SmartReach - Mini CRM 🔗 | **Tech Stack:** React, Node.js, Tailwind CSS, MongoDB, Gemini AI, Bull Queue   **2025**
- Engineered a scalable full-stack CRM used by 100+ test users with JWT and Google OAuth2 authentication for secure access control.
- Integrated Gemini AI to segment customer data using natural language prompts, to auto-generate over 50 customer descriptions, and to streamline query creation for non-technical users.
- Implemented Redis-backed Bull queue system to process 500+ campaign messages in parallel, reducing delivery latency by 40%.
- Designed a fully responsive dashboard UI with Tailwind CSS and React, improving user engagement and modular code reuse by 60%.

Resume-JD Matcher 🔗 | **Tech Stack:** Python, PyTorch, SBERT, Scikit-learn, Matplotlib   **2025**
- Fine-tuned a sentence-BERT model on 6,000+ labeled resume-job description pairs, achieving an average cosine similarity score of 0.80.
- Developed a secondary random forest classifier leveraging similarity scores to predict candidate-job fit, reaching over 80% accuracy.
- Boosted classification performance by 30% using single-variable tuning and feature importance evaluation.

TECHNICAL SKILLS

Languages : C, C++, Python, SQL, JavaScript, TypeScript

Databases & Frameworks : React.js, Next.js, Node.js, Express.js, Tailwind, MongoDB, PostgreSQL,

Developer Tools : Cursor, Docker , Postman, Git, Netlify, CI/CD, Generative AI, AWS (EC2)

COURSES

Data Structures and Algorithms, Operating Systems, Computer Networks, Cloud Computing, Database Management Systems, Object-Oriented Programming, Machine Learning

CODING ACHIEVEMENTS

1. Solved over 450+ problems and rank among top 10% users with 1732 rating on LeetCode.

2. Specialist (max rating: 1414) on Codeforces and 3-Star (1633) on CodeChef.

4. Qualified for the internal round of Smart India Hackathon 2023 and led a team of 5 to design a tech solution addressing a real-world industry problem, focusing on scalability and user impact.