Rajat Kumar Dabas

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EDUCATION

Delhi Technological University (DTU) – 8.4 CGPA   Dec 2021 – May 2025
Bachelor of Technology in Computer Engineering

Kendriya Vidyalaya Sainik Vihar - 92.4%   Apr 2020 – Apr 2021
AISSCE CBSE Class 12th

Kendriya Vidyalaya Sainik Vihar - 96.4%   Apr 2018 – Apr 2019
AISSE CBSE Class 10th

SKILLS

Languages: C/C++, JavaScript, Python, Java, SQL, HTML

Technologies/Frameworks: Express.js, Git, Node.js, ReactJS, Springboot, ML, DL, CI/CD Pipelines, MCP, langchain, langgraph

Developer Tools: GitHub, MongoDB, MySQL, Postman, Jenkins, AWS, Grafana, Kibana, unix

Coursework: Data Structure and Algorithms, Computer Networks, Database Management System, Object Oriented Programming, Operating System, Microservices architecture, Communication skills

EXPERIENCE

PAYTM   Noida, India
Software Engineer Intern   Jan 2025 – Ongoing
- Led the end-to-end migration of **10 high-traffic API endpoints** from **JSON to Protobuf**, achieving a **15% reduction in latency**, **35% reduction in payload size**, and **20% faster server processing time**, while ensuring **backward compatibility**
- Delivered a successful microservices upgrade from **Java 17 to Java 21** and migrated the application framework to **Spring Boot 3.3.5**, enhancing performance, security, and long-term maintainability across the platform.
- **Built AI-powered MCP servers and clients using Python, Langchain, OpenAI, Langgraph, cutting API dependencies by 80%.** Integrated prompt-based chatbots to automate repetitive workflows, improving team efficiency and enabling faster, human-readable responses at scale.

ACHIEVEMENTS

- Highest Codeforces rating: **Specialist (1413)** & Global Rank **2144** in Educational Codeforces Div 2.

- Highest LeetCode rating: **Knight** & Global Rank **1001** in LeetCode Contest 129 with **1000+** problems solved.

- Highest CodeChef rating: **3 star (1666)** & Global Rank **64** in CodeChef Starters 94 Div 4.

- Secured AIR **25552** in **JEE MAINS,** AIR **16237** in **JEE ADVANCED** 2021 and AIR **16000** in **GATE-2025**.

PROJECTS

Portfolio Builder | Demo Link | GitHub |ReactJS, Redux-toolkit, NodeJS, MongoDB, REST API Development
- Designed a platform for the creation of **personalized online portfolios** with authentication and authorization by entering personal and professional details.
- Generates responsive portfolio website based on user input across **12** web pages and designed **20** REST APIs with testing to ensure seamless frontend and backend integration.
- Facilitated portfolio creation and updates for non-tech users, students and professionals by **100%** eliminating the need for code generation/modification.

LearnSphere | Demo Link | GitHub | ReactJS | Redux | Node.js | Express.js | MongoDB | Razorpay API
- Created an **Ed-Tech platform** with **20+** web pages, **15+** Restful APIs enabling instructor and student to create, consume, purchase and manage content.
- Implemented **3** user roles with authentication and authorization, reset-forgot password via email and OTP, profile editing, dashboard, courses cart, analytics management, payment integration, cloud-based media management.
- Analyzed instructor dashboard with analytics on total courses, students, income and reports for data driven decisions.