

RAJ KUMAR

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Education

Maharishi Markandeshwar (Deemed to be) University

Sep 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering — CGPA: 8.0/10

Ambala, Haryana

Technical Skills

Programming Languages: Java, Python, C++, JavaScript, TypeScript, Go, SQL

Web Technologies: React.js, Angular, Next.js, Node.js, Express.js, HTML5, CSS3, Three.js

Databases & Storage: PostgreSQL, MongoDB, MySQL, Redis, NoSQL

Cloud & DevOps: AWS, Google Cloud Platform, Docker, Jenkins, Git, CI/CD, System Design

Frameworks & Tools: Spring Boot, REST APIs, JUnit, Selenium, Jest, Microservices, Google Workspace

Experience

Cloud Counselage Pvt. Ltd.

Jan 2025 – Mar 2025

Software Engineering Intern

Remote-Mumbai

- Built college discovery platform using Next.js, Express.js, and MongoDB with ambiguous user requirements, enabling students to find colleges through verified reviews, reducing selection time by 35%.
- Collaborated remotely using Google Workspace tools for documentation and project management, creating skills-based matching and peer networking features, decreasing application completion time by 50%.

Edunet Foundation

Nov 2024 – Jan 2025

Software Engineering Intern (Microsoft, SAP, AICTE Partnership)

Remote – Bengaluru, Karnataka

- Built **Spam Email Classifier** using **Python** and **Machine Learning** algorithms, processing **10,000+ email samples** with **95%+ accuracy** for email security systems.
- Collaborated with software engineers from **Microsoft**, **SAP**, and **AICTE** on AI applications, navigating multiple technical priorities while implementing data structures and ML pipelines.

Coding Ninjas

Sep 2023 – Sep 2024

Teaching Assistant & Technical Mentor

Ambala, Haryana

- Provided customer service and technical mentorship to **1,600+ students** in data structures and algorithms, resolving **1,700+ queries** with **4.7/5 satisfaction rating**.
- Worked independently and within team frameworks to create testing strategies for Java and Python applications, achieving **92% student satisfaction** and **15% increase in engagement**.

Projects

API Monitoring Dashboard | *Next.js, TypeScript, Express.js, PostgreSQL*

Jan 2025 – May 2025

- Built monitoring dashboard tracking **4,800+ API requests** across 6 microservices with **99.98% uptime accuracy**, managing competing technical priorities and ambiguous performance requirements.
- Implemented **automated testing with Jest and JUnit**, alerting system, and **PostgreSQL** data storage, reducing incident response time by **40%** through critical thinking and problem-solving.

Collaborative Code Editor | *React.js, Node.js, Socket.io, MongoDB, AWS, Docker*

Jun 2024 – Aug 2024

- Engineered real-time application supporting **200+ concurrent users** with operational transforms for **99.2% data consistency**, demonstrating passion for scalable technology solutions.
- Deployed on **AWS** with **Docker containerization** and **CI/CD pipelines using Jenkins**, achieving **99.5% uptime** and **30% cost reduction** through systematic optimization.

Contact Management System | *Spring Boot, PostgreSQL, JavaScript, REST APIs*

Mar 2024 – May 2024

- Built secure contact management system using **Spring Boot** and **PostgreSQL**, supporting **1,000+ records** with integrated payment gateway and role-based access control.
- Implemented **unit testing with JUnit**, **RESTful APIs**, and authentication system, ensuring **100% secure user sessions** and **PCI-compliant transaction processing**.

Achievements & Certifications

- LeetCode 4-star rating** with **1,755 contest rating** and **500-day problem-solving streak**, demonstrating excellent critical thinking and algorithm optimization skills with **2050+ problems solved**.
- Goldman Sachs Software Engineering Virtual Experience** (May 2024) - Analyzed IT security vulnerabilities and enhanced password protection systems using problem-solving methodologies.
- Finalist in HACK-X-NIET 2023** - Competed among **200+ teams** in 24-hour hackathon, building innovative solutions under pressure while managing multiple competing priorities.
- AWS Educate Machine Learning Foundations & Generative AI** - Amazon Web Services certifications demonstrating commitment to learning new cloud technologies and AI applications.
- Social Winter of Code Contributor** - Open source contributor working with global developers on React.js and Node.js projects, showcasing enthusiasm for collaborative technology development.
- Codeforces competitive programmer** with consistent contest participation, demonstrating mathematical reasoning, algorithm optimization, and ability to work under time constraints.