

DHRUV RASTOGI

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[LinkedIn](#) || [GitHub](#) || [LeetCode](#)

PROFESSIONAL SUMMARY

Full Stack & Backend Developer specializing in Java, Spring Boot, and Cloud-native solutions with experience building scalable systems for 5,000+ concurrent users. Proficient in AI/ML integration and DevOps automation. Open to relocation and global opportunities. Passionate about designing high-performance, distributed applications for enterprise environments.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University, INDIA

Expected July 2026

Bachelor of Technology in Computer Science Engineering (AI Specialization) CGPA: 8.5/10

Relevant Coursework: Machine Learning, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

Council for the Indian School Certificate Examinations

India

Graduated as **School Topper (Rank 1 of 200 students)** in Science(Physics, Chemistry, Mathematics)

Mar 2021 - Apr 2022

WORK EXPERIENCE

CEERAS | Technology([LOR](#), [Completion](#))

Remote

Backend Developer Intern

Feb 2025 – Jun 2025

- Developed and contributed to a secure online bidding system handling 10,000+ transactions/day with <1s latency using **Spring Boot**, **Java**, and **PostgreSQL**, implementing robust **user authentication** and **real-time bid processing** to handle concurrent transactions efficiently.
- Designed and optimized **RESTful APIs** for bidding logic and integrated **WebSocket (STOMP & SockJS)** to deliver **instant bid updates**, ensuring data consistency and a seamless real-time user experience.

ENGINEERING PROJECTS

[AI-Court](#)

Present

- Developed a multi-role legal platform (User, Lawyer, Judge) using Spring Boot, React, and JWT, implementing real-time WebSocket chat and automation workflows to reduce legal query time by **40%** and support **5,000+ concurrent users** with **99.9% uptime**.
- Integrated an AI-driven legal outcome prediction module leveraging **1M+ case summaries** with Python NLP, achieving **95% prediction accuracy** and enhancing decision-making through a modular architecture.

[SecureStep](#)

Feb 2025

- Engineered and deployed a scalable backend using **Spring Boot** and **MySQL** in **Java**, processing real-time location data for **5,000+ active users** with **99.9% accuracy**, ensuring high system reliability and data integrity.
- Integrated **location tracking** and **SOS alert system** with automated notifications to nearby authorities, reducing emergency response time by **30%** and enhancing safety for over **1,000 women and travelers**.

[Thoughts](#)

Dec 2024

- Developed and deployed a feature-rich social media application combining **Instagram and Twitter functionalities**, implementing real-time chat, stories, and media sharing for **1,500+ users**, with a scalable **Spring Boot(Java)** backend and responsive **React** frontend handling **10,000+ daily requests**.
- Containerized the application using **Docker** and automated deployment via **CI/CD pipelines (GitHub Actions)**, hosting on **Render** and **Vercel** for zero-downtime releases; integrated **Cloudinary** for media storage, enabling **1,000+ daily uploads** with **99.8% uptime**.

ADDITIONAL

Technical Skills:

Languages: Java (Advanced), JavaScript (Core + React), C, Python

Web Development: HTML/CSS, React.js, Node.js, Spring Boot, REST APIs, Express.js

AI/ML Skills: Python, TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Data Analysis

Databases: MySQL, MongoDB, PostgreSQL

Cloud & DevOps: AWS, Firebase, Docker, Kubernetes, Git, GitHub, GitHub Actions, OCI, Azure

Languages: Fluent in Hindi(native), English.

Awards: Qualified for the **SIH regional round** (from campus).

Certifications: [OCI Certified Developer 2025](#), [OCI Certified DevOps 2025](#), [MongoDB Java Developer](#), [Machine Learning 1](#)

(Columbia +), AI Foundations([IBM](#) & [Infosys](#))