

# DHRUV RASTOGI

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## PROFESSIONAL SUMMARY

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Full Stack Developer with a strong foundation in Java, Data Structures, and Algorithms along with Machine Learning & AI. Experienced in designing and building scalable web applications with a focus on performance and maintainability. Currently expanding expertise in DevOps tools and practices, including automation, CI/CD, and system monitoring. Committed to improving development workflows and operational efficiency as part of a long-term goal to transition into a DevOps engineering role.

## EDUCATION

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### Meerut Institute of Engineering & Technology

Bachelor of Technology

Major in Computer Science Engineering (Artificial Intelligence)

Cumulative CGPA: 8.5/10

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

Meerut, UP

Expected July 2026

### St Thomas English Medium School

Intermediate

Science Stream(PCM)

1st Rank out of 200 (School Topper)

Meerut, UP

Mar 2021 - Apr 2022

## WORK EXPERIENCE

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### [CEERAS | Technology](#)

Backend Developer Intern

Remote

Feb 2025 – Jun 2025

- Created and contributed significantly to an Online Bidding Application using Spring Boot, Java, and PostgreSQL, implementing secure user authentication and real-time bid processing.
- Designed and optimized RESTful APIs for handling bidding logic, integrated WebSocket (STOMP & SockJS) for real-time updates, and ensured data consistency with PostgreSQL.

## UNIVERSITY PROJECTS

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### [AI-Court](#)

Present

- Built a multi-role AI courtroom app (User, Lawyer, Judge) with real-time WebSocket chat, reducing legal query time by 40% and improving access to justice via automation.
- Designed a secure, scalable full-stack system using Spring Boot, React, JWT, and deployed with Render & Vercel, achieving 99.9% uptime and handling 5000+ concurrent users.
- Integrated AI module for legal outcome prediction, trained on 1M+ case summaries, boosting prediction accuracy to ~95% using Python NLP and modular architecture.

### [SecureStep](#)

Feb 2025

- Engineered and managed the back-end of a safety-focused mobile application, enhancing security for over 1,000 women and travelers.
- Designed and implemented a scalable back-end using Spring Boot and MySQL, supporting 5,000+ active users and processing location data with 99.9% accuracy.
- Integrated location tracking and SOS functionality, reducing emergency response time by 30% through automated alerts and direct communication with nearby authorities.

### [Thoughts](#)

Dec 2024

- Solely made a full-stack social media application blending features of Instagram and Twitter, supporting real-time chat, story/reel uploads, and media sharing for 1,500+ users.
- Built a responsive React front-end and scalable Spring Boot back-end handling 10,000+ daily requests with real-time messaging via WebSocket.
- Integrated Cloudinary for media uploads, enabling 1,000+ daily story/reel uploads with 99.8% uptime.

### Smart-drug Monitoring

Sep 2024

- Collaborated on a hardware-based patient health monitoring system, focusing on front-end development to track and display real-time sensor data.
- Created a responsive and intuitive React interface, enhancing data visibility and improving user interaction by 30% for healthcare providers.
- Integrated Firebase for real-time updates, displaying critical patient metrics with a 95% data accuracy and a latency of under 2 seconds.

### ADDITIONAL

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**Technical Skills:** Advanced in Java, Proficient in JavaScript (Core + React), Data Structures & Algorithms, Algorithm Design, JavaScript, Spring Boot, HTML/CSS; Proficient in C, Node.js, AI, Machine Learning, MongoDB, Python(Pandas, Numpy, Scikit-Learn, Tensorflow), AWS, Firebase, Git, GitHub, GitHub CI/CD, SQL, MySQL, DBMS, APIs, Docker, Kubernetes, Full-stack Development, Web Development, REST API, Front-end Development, Back-end Development.

**Languages:** Fluent in Hindi(native), English.

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

**Certificates:** [AI-Foundation Certification by Infosys Springboard](#)