

# Rani Rajpurohit

Full-Stack Developer — HTML, CSS, JavaScript, Node.js, MongoDB, React.js, Cloud Computing, and DSA

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GitHub • LinkedIn • Portfolio • GeeksforGeeks • LeetCode

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## Education

**B.Tech in Computer Engineering**, *Viva Institute of Technology, Mumbai* **2021 – 2025**

**CGPA:** 7.6/10

Relevant Coursework: Data Structures & Algorithms, Full-Stack Development, Database Management Systems, Cloud Computing, Software Engineering

**Achievements:** Recognized for innovative projects in full-stack development and efficient problem-solving.

**Class XII (HSC)**, *ST. Adarsh Education Society, Mumbai* **2019 – 2020**

**Score:** 81% • Ranked among the top 10% of students

**Class X (SSC)**, *St. Anthony High School, Mumbai* **2018 – 2019**

**Score:** 74% (Distinction)

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## Key Skills

- **Programming Languages:** Java, JavaScript, Python, HTML5, CSS3, TypeScript
  - **Frameworks & Libraries:** React.js, Node.js, Express.js, Redux, Bootstrap, Pug
  - **Databases:** MongoDB, MySQL.
  - **Web Development:** MERN Stack, Responsive Design, Progressive Web Apps, API Development
  - **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Azure, Heroku
  - **Core Skills:** DSA, Algorithm Optimization, Problem-Solving, Competitive Programming
  - **Soft Skills:** Leadership, Communication, Adaptability, Agile Methodologies
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## Experience

**Full-Stack Developer Intern**, *Last Moment Tutions* **Jun – Apr 2025**

- Developed a job portal using the MERN stack, increasing scalability by 40%.
- Optimized RESTful API performance, reducing response times by 25%.
- Enhanced cross-browser compatibility and responsive design, improving user retention.

**Web Developer Intern**, *Codsoft* **Jan – Mar 2024**

- Built a Spotify clone with secure user authentication and dynamic API integration.
- Reduced MongoDB query response times by 30% through query optimization.
- Designed a responsive food delivery app integrating dynamic backend operations.

**Software Developer Intern**, *The Sparks Foundation* **Jan – Mar 2024**

- Developed an educational banking system, reducing transaction delays by 20%.
- Built a collaborative smart classroom platform using MERN stack technologies.

**Intern**, *TECH-A-INTERN* **Jun – Aug 2022**

- Engineered a QR code generator, improving data security by 25%.
  - Streamlined project workflows, ensuring 100% milestone adherence.
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## Projects

**Job Portal (MERN Stack)**

Built a responsive job portal with features like job filtering, real-time updates, and secure authentication.

Technologies: React.js, Node.js, MongoDB, Express.js • Achieved 20% faster database queries.

### **FacultyFixerHub (Smart India Hackathon Project)**

Designed a platform to streamline teacher hiring for schools.

Technologies: Node.js, MongoDB, Pug • Reduced hiring process time by 30%.

### **OpenAI Web Application**

A simple and user-friendly web application for interacting with OpenAI's models.

Technologies: JavaScript, HTML, CSS, OpenAI API • Features include DALL·E image generation, Whisper transcription, and chat-style UI.

### **Spotify Clone**

Developed a music streaming app with playlist management, user authentication, and API integration.

Technologies: MERN stack • Improved UI/UX design, reducing loading times by 15%.

### **Figma Plugin Development**

Created plugins for Shape Generation, Image-to-Figma Conversion, and Prompt-Based Design Automation.

Technologies: JavaScript, OpenAI API, Figma SDK • Automated repetitive design tasks, saving 50% of design time.

### **Live ASL Interpretation (Final Year Project)**

Designed a system for real-time American Sign Language interpretation to bridge communication gaps.

Technologies: Python, OpenCV, MediaPipe • Enhanced accessibility and inclusivity using deep learning.

### **QR Code Generator**

Engineered a secure QR code generator tool with customizable content.

Technologies: JavaScript, HTML, CSS • Improved data security by 25%.

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## **Certifications**

- **MongoDB Developer's Toolkit: CRUD Operations** (MongoDB University)
  - **Full-Stack Developer Bootcamp: Frontend to Backend** (Udemy)
  - **AWS Certified Developer – Associate** (AWS)
  - **Mern stack Advanced Concepts** (Coursera)
  - **Problem-Solving and Data Structures in Java** (GeeksforGeeks)
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## **Achievements**

- Solved 350+ problems on GeeksforGeeks and LeetCode.
- Published 5+ research papers launched