

Garvit Mathur

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EDUCATION

Govt. Engineering College, Bikaner Bikaner, India

Bachelor of Engineering in Computer Science and Engineering (8.09 CGPA) 2021 - 2025

SKILLS

e Languages: Python, JavaScript, TypeScript, SQL

e Frameworks and Libraries: React, Node.js, Express.js, Scikit-learn, TensorFlow

e Databases: MongoDB, MySQL, Redis

e Tools: Git, Postman, Vercel, Render

e Competitive Programming: Leetcode (Rating 1700+)

EXPERIENCE

Oil and Natural Gas Corporation Ltd. Dehradun, India

Winter Trainee Jan 2025 — Feb 2025

e Boosted system performance by implementing intelligent caching, reducing API response latency by over 40%.

e Developed secure payment and transaction workflows, integrating strong validation and authentication protocols.

IWebwiser Pvt. Ltd. Bikaner, India

Backend Developer Intern Mar 2024 — Aug 2024

e Engineered a Redis-powered caching layer, cutting database query load by 70% and enhancing scalability for production APIs.

e Designed and deployed RESTful APIs supporting multiple client-facing applications with 99.9% uptime.

e Collaborated on system architecture, optimized data flow, and ensured backend efficiency.

Avenue Properties Remote, India

Frontend Developer Intern July 2022 — Sep 2022

e Built responsive UIs in React, collaborating with backend teams to ensure seamless API consumption.

e Optimized performance and ensured cross-browser compatibility using modern frontend development practices.

PROJECTS

Companion - React - Node.js - TensorFlow.js - Python | Live | Github

- e Programmed a browser-based AI interviewer that analyzes user responses using real-time speech-to-text, facial

- expression tracking, and sentiment analysis.

- e Trained and deployed a custom TensorFlow emotion detection model with 95% accuracy, optimized for in-browser

- inference using TensorFlow.js.

- e Integrated audio/video analysis pipelines for interactive, browser-based AI simulations.

DevConnect - Node.js - Express.js - Redis - MongoDB | Github |

- e Engineered a backend for a social networking app with secure JWT authentication and media upload APIs.

- e Integrated Redis caching and pagination for efficient post retrieval and reduced API overhead.

CERTIFICATIONS

- e Machine Learning Specialization by Stanford University and DeepLearning.AI — Feb 2025 (View Certificate)

- e MERN Stack Developer by KIMO.AI — Jun 2023 (View Certificate)

ACHIEVEMENTS

- e First Runner-Up, International Mental Arithmetic Championship, UCMAS(2015), competing against 3000 global participants.

- e Led college fest Srijan(1000+attendees) and 10+College events, handled logistics, promotion and team collaboration.