

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

Skills Languages: Python, JavaScript, TypeScript, SQL

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

Skills Databases: MongoDB, MySQL, Redis

Skills Tools: Git, Postman, Vercel, Render

Skills Competitive Programming: Leetcode (Rating 1700+)

EXPERIENCE

Oil and Natural Gas Corporation Ltd. Dehradun, India

Winter Trainee Jan 2025 — Feb 2025

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

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

IWebwiser Pvt. Ltd. Bikaner, India

Role Backend Developer Intern Mar 2024 — Aug 2024

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

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

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

Avenue Properties Remote, India

Role Frontend Developer Intern July 2022 — Sep 2022

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

Role 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.