

STUTI GUPTA

AI & Full Stack Developer | Open Source Contributor | Technical Content Creator

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Summary

Computer Science undergraduate focused on Full Stack Development, AI-powered applications, Open Source Collaboration, and scalable web systems. Experienced in building developer-focused platforms, real-time applications, and computer vision projects using modern JavaScript ecosystems, React, Next.js, Node.js, and Python.

Education

Rajasthan College of Engineering for Women

B.Tech in Computer Science Engineering — CGPA: 8.29/10

2023 – 2027

Kota, Rajasthan

Projects

Automated Contest Tracker

- Built a real-time coding contest aggregation platform integrating REST APIs from competitive programming platforms into a centralized dashboard.
- Implemented automated contest tracking, dynamic filtering, and responsive UI workflows improving productivity for competitive programmers.
- Optimized frontend rendering and API handling for scalable contest updates and seamless cross-device accessibility.
- **Tech Stack:** Next.js, Tailwind CSS, JavaScript, REST APIs

AlumConnect

- Developed a scalable full-stack alumni networking platform connecting students and alumni for mentorship, internships, and professional collaboration.
- Integrated authentication systems, real-time communication workflows, verified profiles, and opportunity-sharing modules.
- Designed modular frontend-backend architecture using React.js, Node.js, MongoDB, and TypeScript.
- **Tech Stack:** React.js, TypeScript, Node.js, Express.js, MongoDB, Supabase

AI Rock Paper Scissor using OpenCV

- Developed a computer vision-based gesture recognition game using OpenCV and Python for real-time hand gesture detection.
- Implemented webcam-based interaction systems and gesture classification logic for interactive gameplay experiences.
- Applied image processing and AI-based recognition workflows to improve gesture detection accuracy and responsiveness.
- **Tech Stack:** Python, OpenCV, Computer Vision

Open Source Contributions

- Actively contributing to open-source ecosystems including **megaLLM**, **FitMart**, **firefox-devtools**, and **timqian/open-source-jobs**.
- Collaborating through PRs, issues, bug fixes and documentation improvements across GitHub repositories.
- Exploring AI/ML systems, scalable frontend architectures, developer tooling, and open-source workflows through community-driven collaboration.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++, SQL

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3

Backend & Databases: Node.js, Express.js, MongoDB, Supabase, REST APIs

Developer Tools: Git, GitHub, Linux, VS Code, Postman, Figma

Core CS Concepts: Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks

Currently Exploring: AI Agents, Generative AI, System Design, Open Source Systems

Achievements

- Solved **500+ DSA problems** across LeetCode, Codeforces and CodeChef platforms.
- Ranked among the **Top 4000** out of 20,000+ applicants in AlgoUniversity Technology Fellowship 2024.
- Built a LinkedIn creator community with **22.1K+ members** focused on technology and peer learning.
- Finalist at **IIT Bombay's Sanrakshan Event** for Secure Her social-impact initiative.