Devansh Gupta

Roll No.: 2211401235

B.Tech

Your Course

Maulana Azad National Institute Of Technology, Bhopal

📞 +91-8840481962

✉ devansh2624gupta@gmail.com

 GitHub Profile

 LinkedIn Profile

EDUCATION

•**Maulana Azad National Institute of Technology,M.P.** *2026*

B.Tech in Electronics and Communication Engineering CGPA/Percentage: 8.65

•**Pt. Deen Dayal Upadhyaya Sanatan Dharma Vidyalaya,U.P.** *2021*

Central Board of Secondary Education,U.P. Percentage: 93.0

•**St. Paul's Inter College Maudaha Hamirpur,U.P.** *2019*

High School U.P. Board Percentage: 84.67

EXPERIENCE

•**Independent Systems Developer – MikeOS Extension** *Apr 2024 – June 2024*

x86 Assembly | QEMU | NASM | Systems Programming Remote

– Developed a Tic-Tac-Toe game and added new shell commands to MikeOS by modifying system files.

– Extended OS features and interrupt logic; tested with QEMU and NASM. GitHub – MikeOS Tic-Tac-Toe Project

PERSONAL PROJECTS

•**ChessMentor: AI-Powered Chess Learning Platform** *Jan 2024 – Mar 2024*

Full-stack platform enabling AI-guided chess courses, real-time feedback, payments, and role-based access.

– Tools & Technologies: Node.js, Express.js, MongoDB, JWT, REST APIs, Razorpay, OpenAI API, Stockfish Git, Postman,Vercel, CI/CD, Cloudinary, React.js, Tailwind CSS

– Integrated OpenAI and for real-time move analysis and GPT-based chess guidance via scalable LLM APIs.

– Built secure dashboards with JWT auth, REST APIs, Razorpay payments, and cloud media/course handling.

– Designed modular MERN architecture with access control, order validation, and real-time learner tracking.

•**Distributed File Storage System** *May 2024 – Jun 2024*

Built a reliable, scalable file storage system with fault-tolerant replication and metadata-based recovery.

– Tools & Technologies: Python, FastAPI, REST APIs, Docker, Git, Postman, OS Module

– Implemented file chunking with consistent hashing and replica placement across virtual nodes.

– Developed upload/download APIs and simulated node failures to test redundancy and recovery logic.

•**AI Medical Vault: Secure Medical Report & AI Summarization System** *May 2024 – Jun 2024*

Engineered a secure platform to upload, extract, search, and AI-summarize medical reports using OCR and LLMs.

– Tools & Technologies: Python, FastAPI, MongoDB, REST APIs, Tesseract OCR, OpenAI API, JWT, Docker, React.js, Cloudinary

– Built OCR pipeline using Tesseract to extract structured data from scanned prescriptions and lab results.

– Integrated OpenAI GPT models for report summarization, diagnosis tagging, and condition-based search.

– Designed role-based secure dashboards with JWT auth, file versioning, and searchable encrypted report vault.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, JavaScript (ES6+), SQL, Python, 8085/8086 Assembly

Developer Tools: Git, Docker, Postman, VS Code, MATLAB, Figma, Render, Vercel

Frameworks: React.js, Node.js, Express.js, FastAPI, Tailwind CSS, JWT, OpenAI API

Cloud/Databases: MongoDB, MySQL, Firebase, Cloudinary, AWS (Basics), REST APIs, WebSockets

Soft Skills: Problem-Solving, Product Thinking, Communication, Team Collaboration

Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Areas of Interest: AI Applications, Chess

POSITIONS OF RESPONSIBILITY

•**Team Leader,** IoT-Based Health Monitoring System – Minor Project (Academic) *Jan 2024 – Mar 2024*

ACHIEVEMENTS

•**Certificate of Excellence – MANIT Bhopal** Recognized for innovation in project development. [Certificate Link]

•**Competitive Programming** Solved 500+ problems across platforms:

Codeforces: **Pupil** – Best Rank: 1274 [Profile] LeetCode (**Max Rating: 1560**) [Profile]