

## Education & Credentials

Bachelor of Technology in Computer Science & Engineering – 2026 | CGPA: 8.16/10 | MM Engineering College, Mullana, India

**Selected Coursework:** Data Structures and Algorithms, Operating Systems, Compiler Design, Computer Networks, Web Programming

## Technical Proficiencies

<b>Programming Languages:</b>	C++, C, Rust, Javascript, Java, Go, Python.
<b>Operating Systems:</b>	Microsoft Windows, Linux (Ubuntu).
<b>Database Management System:</b>	MySQL, PostgreSQL, Neo4j, MS Access, MongoDB, MariaDB, Oracle, Redis.
<b>Frontend Development:</b>	HTML, CSS, JavaScript, TailwindCSS, Bootstrap, React.js, Next.js.
<b>Backend Development:</b>	SupaBase, Appwrite, Flask, Django, ORM, GraphQL, Express.js, FastAPI, Middleware, CORS.
<b>AI and LLM Expertise</b>	Transformer models BERT, OPENAI, Gemini, Grok, Anthropic, OpenRouter, GenAI, Midjourney, Llama 3.3, Deepseek r1, Phi4, Mixtral, Langchain, Langgraph, Langsmith, Nvidia Nemo.

## Career Experience

**Freelance, Upwork, Remote**

Full Stack Developer

**March 2024 to Present**

Developed and deployed AI-driven automation tools to optimize workflows for consumers, enhancing social media engagement, and streamlining job application processes. Focused on building scalable and efficient systems for client projects as per requirements.

- Engineered an **AI virtual teacher** by creating functions where contextual memory served by client's browser API excluding backend weights on server, establishing API communication to the agent, deployed on vercel.
- Jarvis AI Assistant** developed a personal AI assistant for end-to-end task automation, integrating voice commands, web scraping, and real-time workflow execution.
- AI Resume Maker** an AI-powered resume generator that extracts key skills from job descriptions and projects to generate ATS-friendly templates in PDF formats, allowing users to match the job description with their skills.

## Key Projects

**Auto-CIDE | MERN, Sockets, Redis**

Developed a cloud based IDE using MERN stack with real-time collaboration powered by Web Sockets, enabling seamless multi-user coding sessions.

**QuizMaster | Svelte, Go, Sockets**

Established a fullstack quiz platform using Go and Svelte, enabling multi-user login, real-time quiz hosting by admins and automated answer evaluation.

**AI Powered Vehicle Emission Monitoring | DL, Flask, Pandas, Nextjs**

Built a DL based System using real-time sensor data to classify and predict vehicle emissions, enabling accurate pollutant assessment and regulatory enforcement.

## Hackathons and Collaborations

**Techfest X-Boost twitter automation tool**

Built an automation tool that schedules and posts, 16 daily tweets using cron jobs, leveraging AI to track and post trending memes in the X/Twitter and other social media platforms.

**Influencer tech fest**

Contributed on building a distraction-management web app that enhances focus by playing a Minecraft gameplay video in the center while displaying a user-provided YouTube video in the bottom-right corner.

**Hackverse**

Worked on building an advanced LMS overlay that leverages AI-driven contextual search and insights, making learning more interactive and efficient.

**Kaggle March Machine Learning Mania**

Contributed for kaggle competitions focusing on data driven solution forecasting the outcomes of both the men's and women's 2025 collegiate basketball tournaments, by submitting predictions for every possible tournament matchup.

[Other Full stack and Machine Learning Projects Links](#)