

GAURI MATHUR

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PROFESSIONAL SUMMARY

Final-year B.Tech student in AI & ML, passionate about solving real-world problems through tech. Skilled in Python, Java, and full-stack development with hands-on experience in building scalable, user-centric applications. Proven team player through hackathons, leadership roles, and technical writing. Eager to drive innovation in both collaborative and fast-paced environments.

TECHNICAL SKILLS

Languages: Python • Java
Web Development: HTML • CSS • JavaScript • React
AI & ML: Machine Learning • Neural Networks • NLP
Tools & Platforms: MongoDB • Gradio • Vercel • Git • AutoCAD
Core Concepts: Data Structures & Algorithms • OOP

HACKATHON PROJECTS

SignSpeak AI – Gesture-to-Speech Communication Platform

Team Lead | QUANTANOVA 2025 | July 2025

- Led a team of 4 during a 24-hour hackathon, placing in the top 50% out of 110+ teams.
- Developed a full-stack web app to translate sign language into speech in real-time.
- Integrated Google MediaPipe for gesture detection, Web Speech API for voice output, and PostgreSQL for data management.
- Tech Stack: React • Flask • MediaPipe • Web Speech API • PostgreSQL

InstaGuide – Instagram Growth Assistant

Frontend Developer | Techknowthon 2.0 | March 2025

- Built an AI-powered web platform to help influencers grow using analytics and visual engagement insights.
- Designed a vibrant UI with dynamic dashboards and a chatbot, inspired by Instagram's branding.
- Tech Stack: HTML • CSS • JavaScript

E-Commerce Analytics Dashboard

Full Stack Developer | AVENSIS 2025 – CSI Regional Convention | June 2025

- Developed an analytics dashboard to help small business owners track sales, inventory, and low-stock alerts.
- Implemented auto-updated visuals, daily/weekly insights, and stock management via product visuals.
- Tech Stack: React • MongoDB • Vercel

MINOR PROJECTS

HeartHealth AI – Deep Learning Heart Attack Risk Classifier

Jan 2025 – Feb 2025

- Built an AI chatbot to assess heart attack risk using user data and the Framingham dataset.
- Used CNNs & RNNs for prediction and integrated Llama 3.1 via Gradio and Ollama for responses.
- Designed with deployment readiness across mobile, web, and wearable platforms.
- Tech Stack: Python • Deep Learning • Gradio • Llama 3.1 • Ollama

MyPocket – Personal Finance Tracker

Nov 2024 – Dec 2024

- Developed a budgeting app for daily expenses, savings goals, and financial awareness.
- Created intuitive dashboards and alert systems to support better money habits.
- Tech Stack: React • Node.js • Firebase

CSV-QA – Natural Language CSV Query Tool

Sep 2024 – Oct 2024

- Designed an NLP tool to query CSV files in English without requiring coding or BI tools.
- Achieved 92% test accuracy in structured data retrieval for non-tech users.
- Tech Stack: Python • Pandas • NLP • Scikit-learn

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering (AIML)

Malla Reddy University | Expected: 2026

CGPA -9.06 (As per 3-1 Result)

Intermediate (Class 12)

Narayana Junior College | Year: 2022

Percentage - 95.8%

Secondary School (Class 10 – ICSE)

Gitanjali School | Year: 2020

Percentage - 91.6%

CERTIFICATIONS

- Programming in Java – NPTEL & IIT Kharagpur
 - Introduction to Machine Learning – Amazon Web Services (AWS)
 - Introduction to Generative AI – Google Cloud
 - AI Workflow: Business Priorities and Data – IBM
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LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Class Representative – Led 80+ students, managed communication between faculty and peers.
 - Writer on Medium – Published 40+ articles on mental health and personal growth.
 - GDSC Member – Active in coding workshops and peer project collaborations (since May 2024).
 - Hackathon Participant – Competed in Avensis, Techknowthon, Quantanova.
 - Creative Thinker – Skilled in video editing and innovative UI/UX design.
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VOLUNTEER & COMMUNITY INVOLVEMENT

Ashray Akruti

Volunteer | June 2024

Contributed to initiatives supporting hearing-impaired children through educational and awareness activities.

Google Developer Student Club (GDSC)

Active Member | May 2024 – Present

Participating in workshops, hackathons, and collaborative peer learning focused on real-world tech solutions.
