

HARSH GUPTA

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[LinkedIn](#) | [GitHub](#)

Objective

Enthusiastic and quick-learning Computer Science student with hands-on experience in software development, data analysis, AI/ML models, and web applications. Skilled in Python, Java, JavaScript, SQL, and cloud tools. Seeking to contribute to a growth-oriented IT team and develop scalable, impact-driven technology solutions.

Education

Dayananda Sagar University

B.Tech in Computer Science and Engineering
CGPA: 8.16

2022-2026

Bengaluru

Experience

Intern – Conversational Data Analysis | VOIS for Tech

Sep 2025 – Oct 2025

- Worked on Conversational Data Analytics using Large Language Models (LLMs).
- Analyzed real-world datasets and generated insights using AI-driven tools.
- Performed data preprocessing, visualization, and exploratory data analysis (EDA)
- Applied prompt engineering to improve accuracy and relevance of model responses.

Projects

Multi-Modal Stock Market Prediction System

- Built a hybrid deep learning framework combining Prophet trend forecasting with LSTM residual modeling, achieving ~72% directional accuracy.
- Implemented ARIMA, Prophet, LSTM, and Hybrid LSTM-Prophet models with technical indicators (RSI, MACD, EMA) and VADER-based sentiment analysis.
- Designed an explainable HMCD decision engine with anomaly detection (Isolation Forest) to generate real-time BUY/HOLD/SELL recommendations via Streamlit dashboard.

Pose Detection Web App (AWS Deployment) - [Website](#)

- Developed a real-time pose detection website using PoseNet (ml5.js) and p5.js.
- Hosted Static assets on AWS S3 and delivered globally via CloudFront for low-latency access.
- Included features like heatmaps, body measurement tools, and breathing animations.

Medical Recommendation System (Flask + ML)

- Built an ML-powered disease prediction system using Flask, HTML, CSS, and JavaScript.
- Processed symptom inputs to generate disease predictions and medicine recommendations.
- Enhanced accessibility by applying data-driven medical insights.

Technical Skills

Programming Languages: C, Python, Java.

Frameworks/Libraries: Scikit-Learn, OpenCV, Beautiful Soup, Tensorflow, Keras, Py- Torch, Retrieval Augmented Generation (RAG), Numpy, Pandas, SciPy, Matplotlib, Torch, Seaborn, MongoDB, Neural Networks, Kernels, CNN

Interests: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Artificial Intelligence, Generative AI, LLMs, IoT, Software Development, Database Management System (DBMS)

Academic and Extracurricular Achievements

- **Reliance Foundation Scholarship** | Top 4000 students all over India
- Active chess player, enhancing strategic thinking and problem-solving skills.
- Strong organizational skills, effectively managing multiple projects and responsibilities.