VISHVAJITSINH GOHIL

Computer Science Student — Software Developer — Problem Solver

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EDUCATION

MIT ADT University — *Pune, India*

Bachelor of Technology in Computer Science and Engineering — *August 2024 – June 2028*

Expected Graduation: June 2028 | Current Year: Third Year | CGPA: 9.19

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, SQL, C/C++
- **Core Concepts:** Data Structures & Algorithms (DSA), Operating System, Computer Networks
- **Databases:** MySQL, Database Management Systems (DBMS), MongoDB, Supabase, FireBase
- **Tools:** Git, GitHub, Docker, Bruno
- **Soft Skills:** Problem Solving, Team Collaboration, Documentation, Project Management
- **Languages:** English (Professional Proficiency – Cambridge Linguaskill Certified), Hindi, Gujarati

PROJECTS & ACHIEVEMENTS

Demand Velocity & Inventory Intelligence

https://github.com/Vishvajit1947/demand-velocity-inventory-intelligence.git

- Developed an end-to-end Demand Forecasting & Inventory Intelligence platform using LightGBM to predict 28-day product demand through recursive time-series forecasting and feature engineering.
- Built a scalable FastAPI backend exposing REST APIs with Pydantic validation, rate limiting, structured logging, and concurrency-safe request handling; containerized the application using Docker.
- Designed an interactive React + TypeScript dashboard to visualize demand forecasts, inventory risk, demand velocity, seasonal trends, and explainable forecasting insights.
- Deployed the frontend on Vercel and backend on Railway, integrating end-to-end ML inference with automated testing to deliver a production-style forecasting application.

AI-Powered ICU Patient Risk Detection System

https://github.com/Vishvajit1947/Sanjeevni--Diagnostic-Risk-Assistant.git

- Built an AI-powered healthcare system using a multi-agent architecture to analyze ICU patient data and detect early risk of complications such as sepsis.
- Developed a pipeline to process clinical notes, lab reports, and vitals, generating real-time insights with evidence-backed recommendations using Retrieval Augmented Generation (RAG).
- Implemented an outlier detection mechanism to identify abnormal lab values and reduce risk of incorrect diagnoses.
- Designed interactive dashboards for visualizing patient timelines and risk levels with real-time updates via Supabase; integrated NFC-based access for quick clinician data retrieval.

EXPERIENCE

AWS Cloud Club – MIT ADTU — *Pune, India*

Documentation Team Member — *March 2025 – Present*

- Contributing to technical documentation for AWS cloud computing workshops and training sessions.
- Collaborating with team members to create clear, structured documentation for cloud architecture projects.
- Supporting knowledge sharing initiatives within the university's cloud computing community.

ASTECH (Science and Tech Club) — *Pune, India*

Treasurer — *August 2024 – July 2025*

- Managed financial operations and budgeting for a technical club with 100+ active members.
- Coordinated funding allocation for hackathons, technical workshops, and project competitions.
- Maintained transparent financial records and prepared reports for club leadership and university administration.
- Collaborated with executive team to plan and execute technical events and innovation challenges.

CERTIFICATIONS

- Python Programming – Professional certification in Python development
- Introduction to Retrieval Augmented Generation – Advanced AI/ML techniques
- Database Foundations – Core database management and SQL skills
- Ethical Considerations for Generative AI – Responsible AI development practices
- Cambridge Linguaskill – English Language Proficiency Certification