# SUJIT HULULE

Pune, Maharashtra, India

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## Education

**Podar International School — CBSE**                                                     **Till 2019**
*GPA: 9.32*                                                                        *Pune, Maharashtra*

**ASM Institute of Technology — HSC (MSBSHSE)**                                     **2019 – 2021**
*GPA: 8.18*                                                                        *Pune, Maharashtra*

**Vellore Institute of Technology — B.Tech in Computer Science**                     **2021 – 2025**
*GPA: 7.87*                                                                         *Chennai, Tamil Nadu*

## Technical Skills

**Programming & Frameworks**: Python, SQL, PostgreSQL, NumPy, Pandas, TensorFLow, PyTorch, Scikit-learn, Power BI, Image generation, Image processing, Stable Diffusion, pgAdmin, AI Integration, XGBoost

**GenAI, NLP & LLMs** : GenAI, OpenAI API, Build Custom GPTs, Hugging Face, LangChain, LangGraph, AutoGen, RAG Pipeline, Tokenization & Embeddings, LLM Evaluation Metrics, EDA, Data Cleaning, Anomaly Detection

**Document Intelligence & Regulatory Systems**: Document Parsing (PDF, DOCX), Metadata Tagging, SharePoint, Regulatory Data Structuring, Enterprise Document Systems (familiarity with Objective, Veeva Vault, OpenText)

**Data Platforms & Engineering** : Ergonode, Azure, Databricks, Snowflake, Airflow, DBeaver, pgAdmin, Feature Engineering, ETL Pipelines, Data Manipulation, Workflow Orchestration

**Visualization & MLOps** : Power BI, Streamlit, Excel, Flask, FastAPI, REST APIs, Webhooks, CI/CD, Git, AWS

**Soft Skills**: Analytical Thinking, Problem Solving, Team Collaboration, Technical Documentation, Agile Workflow

## Experience

**Tata Motors Ltd**                                                                  **Aug 2023 – Nov 2023**
*DevOps Intern*                                                                      *Pune, India*

- Built "My Notes" app: Developed a secure, scalable note-taking app using AWS EC2, Docker, and NGINX.
- Implemented CI/CD pipeline using AWS CodeCommit, CodeBuild, and CodePipeline for continuous deployment.
- Configured NGINX with SSL, caching, and rate-limiting for improved performance and security.
- Hardened EC2 instance: added firewall rules, SSH key access, and failover/load-balancing mechanisms.

**Sunny Medicare LLP**                                                               **Mar 2025 – May 2025**
*Business Analyst Intern*                                                            *Pune, India*

- Led requirements gathering with sales and procurement teams to identify key pharmacy performance metrics.
- Analyzed historical sales and expiry trends using **Excel** and **SQL** to support inventory optimization.
- Developed the **"SmartMed Dashboard"**, an internal BI tool using **Streamlit** for sales tracking, stock alerts, and KPI visualization.
- Created stakeholder reports and shared insights on vendor performance and seasonal demand spikes.

## Projects

**Azure Databricks Data Pipeline** — PySpark, Databricks, Azure Data Lake                 **June 2025**

- Built an ETL pipeline using **PySpark** and **Databricks** Autoloader to ingest streaming data into **Delta Lake**.
- Implemented Slowly Changing Dimensions and star **schema models** for dimensional data modeling.
- Leveraged **Delta Live Tables** and Spark Structured Streaming for scalable real-time transformations.

**LVH Detection from Chest X-Rays** — ResNet18, PyTorch, Grad-CAM                          **Apr 2025**

- Built a deep learning pipeline using **transfer learning** to classify **LVH** from chest X-rays.
- Achieved **92.22% validation accuracy** with a **ResNet18** model and visualized decisions using **Grad-CAM**.
- Deployed predictions via a **Gradio web app** with real-time inference and evaluation metrics.

**Swoosh Analysis Dashboard** — Power BI, SQL                                             **Dec 2024**

- Designed a dynamic Power BI **dashboard** to visualize ride bookings, revenue, and trip patterns across multiple cities.
- Implemented slicers, heatmaps, and drill-throughs to uncover peak hours, top routes, and customer behavior.
- Enabled **data-driven strategy** by automating KPIs and performance insights.

## Certifications

**Python Training** — IIT Bombay    **Machine Learning with Python** — IBM    **AWS Educate: Getting Started with Databases** — AWS

**Foundations of AI and ML** — Microsoft    **Product Management** — IBM

## References

**Makarand Gangal** — Deputy General Manager, IT Department, Tata Motors Ltd    `makarand.gangal@tatamotors.com`
**Vinayak Nikam** — Senior Manager, IT Department, Tata Motors Ltd    `vinayak.nikam@tatamotors.com`