Nava Bhargav Gedda

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Data Engineer with **2.6+ years of experience** in **data analytics, predictive modeling, and automation**, specializing in **Python, SQL, ETL, and Big Data pipelines**. Strong background in **data visualization (Tableau, Power BI)** and **cloud computing (AWS, Kubernetes, Docker)**. Proven ability to optimize **data workflows, enhance system reliability**, and provide **scalable data-driven solutions** for business and financial decision-making.

Professional Experience

# Student Consultant & Venture Capitalist – QMUL Sept. 2023 – Sept. 2024

* Conducted **business intelligence analysis** to improve **student union operations**, leading to a **15% increase in student engagement** through targeted strategic initiatives
* Partnered with a cohort of **25 venture capitalists**, evaluating **10+ student-led startups**, contributing to strategic investment decisions.

# Software Engineer II – HCLTech Oct. 2020 – May. 2023

* Crafted and rolled out **Python-based automation solutions**, reducing **data processing timeouts by 20%**, improving system uptime and operational efficiency.
* Automated **Sony Android device workflows** using custom Python tools, cutting **manual effort by 30%** and enhancing **process efficiency**.
* Developed and maintained **25+ customized Python scripts** (NumPy, Pandas, Flask), optimizing **ETL pipelines** and enabling **15% cost savings** across projects.
* Built and deployed **5+ interactive dashboards** (Python, Tableau, Power BI), improving **data-driven decision-making** for business stakeholders.
* Led Agile planning & **10+ training sessions**, increasing team efficiency by **20%** through streamlined workflow implementation.
* Engineered an **automated invoice retrieval system**, reducing **manual errors by 25%** and saving **10+ hours per week** by optimizing financial data processing across **300+ Syncada portal invoices**.

Education

**Queen Mary University of London (QMUL) –** MSc in Business Analytics. *(Distinction)* **Sep. 2024**

**Jawaharlal Nehru Technological University, Kakinada –** BTech in EEE. *(CGPA:8.32)* **Jul. 2020**

Projects

# Predictive Analysis of Airbnb Listing Prices in New York City Jan. 2024

* Analyzed **50,000+ listings**, applying **feature engineering** (log transformation, borough segmentation) to reduce model complexity by **30%**.
* Improved **forecasting accuracy by 15%** using **Scikit-learn, TensorFlow, and PCA-driven feature selection**.

# Bloomberg Financial Analytics Visual Dashboard Aug. 2024

* Built stock price prediction models (ARIMA, SARIMA, LSTM, GRU, FB Prophet), improving forecasting accuracy by 20%.
* Created Bloomberg-driven interactive dashboards that enhanced data-driven investment decisions with advanced visualization techniques.

Technical Skills

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| --- | --- |
| **Category** | **Skills** |
| Languages | Python, SQL, R, PostgreSQL, C++, JavaScript, HTML/CSS |
| Data & AI | Machine Learning, NLP, Data Analytics, Predictive Modeling, Risk Modeling |
| Tools & Frameworks | Git, Kubernetes, Oracle SQL, R-Studio, Kafka, Tableau, Power BI, Docker, FastAPI, Selenium, Torch, CI/CD Pipelines |
| Business Intelligence | Alteryx, ServiceNow, Gephi, ArcGIS, Excel Macros, Power Automate |
| Other Skills | DBMS, API Design, Relational Databases, Stakeholder Management, VBA, PLC, E2E Testing, Workflow Optimization |

Extracurricular Achievements

* Ranked in top 0.1% of students, selected as one of 25 student venture capitalists in QMSVF**.**
* Internship as Student Consultant, optimizing Student Union operations with data analytics solutions.
* Winner of 2 national-level coding hackathons (SPIKES18 & IIT Bombay Innovation Cell).
* Robo-wars & Drone Racing Champion – Engineered & developed AI-driven autonomous robotics.
* Organized 'Electrika-2K20' National Tech Fest, attended by 500+ participants.