**Rohan Apte**

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**EDUCATION**

**Masters of Science in Management Information Systems- University of Arizona, Tucson, AZ 08/2024 - 12/2025**

**Coursework**: Enterprise Data Management, Information Systems Analysis and Design, Data Mining; **GPA** : 4.0 / 4.0

**Bachelors of Technology - Vellore Institute of Technology, Vellore India**   **01/2023 - 12/2024**

**Coursework**: Business Analytics for Engineers, Programming Skills; **GPA** : 3.83 / 4.0

**PROFESSIONAL EXPERIENCE**

**WIPRO TECHNOLOGIES | Data Analyst 04/2022 - 05/2024**

* Designed and maintained **Power BI** dashboards to visualize KPIs and operational metrics, reducing report generation time by 40% and enabling data-driven decisions across multiple departments.
* Collaborated with stakeholders to understand **business needs** and translate requirements into data solutions, presenting insights that led to a 10% increase in operational efficiency.
* Orchestrated Custom-built ETL solutions utilizing **Azure Data Factory** and **Azure Fabric**, facilitating data intake from various sources and transforming data for daily analytics, consequently guaranteeing smooth connection with reporting dashboards.
* Implemented advanced **SQL** performance optimization strategies, resulting in a 40% reduction in query execution times and enhanced database responsiveness for more than 500 users.
* Partnered with the **DevOps** team to establish **CI/CD pipelines** for data integration workflows, halving deployment time and decreasing manual involvement in the ETL process.
* Ensured data quality through rigorous governance standards and ETL validation checks, maintaining 99.9% accuracy across 20+ data sources to support compliance and regulatory reporting.

**TECHNICAL SKILLS**

* **Data Visualization :** Power BI, Tableau, MS Excel, Power Apps, Jupyter Notebooks, Power Apps, Figma
* **Programming Languages :** Python, Pyspark, SQL, P/L SQL, MySQL,PostgreSQL, Java, Scala, R
* **Statistics :** A/B Testing, Hypothesis Testing, Bayesian Statistics, Probability Distribution, ANOVA, Multiple Regression Models
* **Deployment & DevOps :** Docker, Jenkins, Git, CI/CD Pipelines, Power Automate,Logic Apps, serverless functions, Agile, Kubernetes

**ACADEMIC PROJECTS**

**Microsoft Bing News API 08/2024 - 10/2024**

* Developed and automated a data ingestion pipeline using **Azure Data Factory**, integrating Microsoft Bing Search API with a REST API connection to pull the latest news, yielding insights from up to 100 articles every 24 hours.
* Wrangled, processed, and cleaned ingested JSON data using **Spark** within **Databricks** notebooks, applying transformations to isolate key news information fields (e.g., title, description) and creating a structured DataFrame for analysis.
* Scheduled end-to-end **ELT pipeline** automation to run daily, applying dynamic parameters for customized keyword searches, and implemented date filters and rounded sentiment scores for improved visual clarity.

**Toyota Motors Database: SQL & Data Modeling | University of Arizona 09/2024 - 12/2024**

* Developed **ER models** and data architectures that organized and structured data on 10,000+ synthetic customer interactions and sales transactions, ensuring conformity with Toyota Motors' business requirements.
* Formulated and executed complex **SQL** queries to extract, transform, and analyze a dataset of 50,000+ records, identifying patterns that could improve vehicle maintenance and sales strategies by up to 15%.
* Built a front-end interface in **Oracle** for efficient data retrieval and reporting, reducing data access time by 30% and enabling effective data-driven decisions through optimized reporting capabilities.

**UK Flights Punctuality Analysis 06/2024 - 08/2024**

* Developed a **Power BI** dashboard for analyzing over 1 million flights across 26 UK airports. Implemented dynamic filters, boosting the ability to examine and comprehend performance statistics and trends.
* Analyzed the Power BI report for aviation data, highlighting a median delay of 14 minutes and 20,000 canceled flights. Diagnosed on-time performance of airlines and helped in informed decision-making.

**PennyWise : Empowering Youth through Personal Finance Management 06/2024 - 08/2024**

* Led the development of a Personal Finance Management System (PFMS) aimed at enhancing financial literacy for students and young adults, managing project timelines through **Agile** methodologies and **Jira.**
* Integrated **Large Language Models (LLMs)** within the PFMS to provide personalized financial guidance and educational content, utilizing data analytics to assess and improve user engagement.
* Conducted **User research** and **requirements analysis** to identify key financial challenges faced by the target audience, aligning product features with user needs and enhancing usability.

**CERTIFICATIONS**

* Azure: Fabric Analytics Engineer Associate (**DP-600**), Data Engineer Associate (**DP-203**), Power BI Data Analyst Associate (**PL-300**), Azure Fundamentals (**AZ-900**), Azure Data Fundamentals (**DP-900**)
* Misc.: SQL for Data Science , Python for Data Science and Machine Learning Bootcamp, Business Metrics for Data-Driven Companies