

VENKATESH MUKERI

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🌐 <https://vmukeri.github.io/venkatesh-portfolio/>

SUMMARY

Microsoft Certified Data Engineer with a demonstrated history in the CRM industry. Skilled in Data Science, Data Analysis, Data Engineer, Business Intelligence Database Design, Strategic problem-solving techniques and Data Visualization.

WORK EXPERIENCE

Graduate Research Assistant - Data Analyst Engineer

Texas A&M | Dallas, Texas

Oct 2024 - Present

- Translated complex business and research requirements into SQL queries and Python scripts to support ad hoc analysis and recurring reporting.
- Built and maintained data pipelines using SQL-based automation, improving data processing efficiency by 30%.
- Developed Tableau and Power BI dashboards that synthesized insights into clear visuals for cross-functional stakeholders.
- Collaborated on data cleansing and transformation efforts to ensure data quality and accuracy for statistical modeling.
- Used Python and R to identify patterns and anomalies in large datasets, contributing to predictive model improvements (+15% accuracy).
- Authored clear documentation for data workflows and dashboards, supporting long-term scalability and team onboarding.

Lead Business Intelligence Analyst

Medallia | Gujarat, India

Apr 2021 - Apr 2023

- Architected ETL processes to integrate multiple data sources (marketing, support, usage, CRM) into a unified reporting layer using SQL and Medallia's internal BI tools.
- Translated business questions into scalable analytics solutions, enabling revenue growth via new monetization strategies and customer engagement models.
- Automated user feedback ingestion and report generation pipelines, reducing manual workload and improving data freshness.
- Enhanced real-time dashboards (Medallia + Salesforce) to visualize KPIs across customer journeys, supporting account executives and product teams.
- Tuned performance of existing reporting systems, improving load time and data accuracy across business units.
- Worked with JIRA and Confluence to document and manage deliverables in an Agile team environment.

Sports Data Analyst

Hudl India Pvt India | Mumbai, India

Jul 2017 - Feb 2020

- Designed statistical tracking systems to collect and analyze athlete and team performance metrics.
- Automated data preparation workflows, enabling coaches to receive faster, more actionable insights across multiple sports.
- Developed predictive models to assist coaching decisions and performance forecasting, with outputs translated into clear visual summaries.
- Participated in cross-functional data reviews, aligning team-level performance goals with broader strategic targets.

EDUCATION

Masters in Business Analytics

Texas A&M University | Dallas, Texas

Jul 2025

Relevant Coursework - Python, R, Database Management, Data Visualization, Machine Learning, Data Warehousing, Data Modelling

PG Diploma in Advance Computing

Center of Development in Advance Computing, India | Mumbai, India

Jan 2021

Relevant Coursework - C, C++, Java, Microsoft .NET, JavaScript, MySQL, MEAN Stack

Bachelors in Electronics Engineering

University of Mumbai | Mumbai, India

May 2017

Relevant Coursework - Assembly language, CCNA, OOPM, PCB Design, Circuit Theory

TECHNICAL SKILLS

Analysis and Analysis Tools: Advanced Excel, SAP Business Object, Tableau, POWER BI, SAS, Spark, Toad, Talend, Control-M, Airflow, Hadoop, A/B testing, Business Intelligence, Big Data Analytics, Data Mining, Predictive Analytics, Quantitative Business Analysis, Statistics, Machine Learning, Google Cloud Platform, PBM. **Database:** Teradata, SAP HANA, RDBMS, OLAP, Microsoft SQL Server, MS Access. **Programming:** Python, R, Flask, Spark, SQL, BigQuery, Hive, Unix, Linux, OOPS, Java, HTML, Angular, JavaScript.

PROJECTS

AI-Powered Interview Assistant Chatbot

Jan 2025 - Apr 2025

- Leveraged stakeholder consultations and literature reviews to define user needs, subsequently implementing core chatbot functionalities such as role-specific question generation and adaptive feedback delivery.
- Analyzed existing interview preparation tools and user requirements to develop an AI chatbot featuring real-time communication, performance scoring, and personalized feedback.

The Netflix Lens: Data-Driven Insights with Power BI

Jan 2025 - Apr 2025

- Developed interactive Power BI dashboards to analyze Netflix content data, revealing key insights into genre popularity and regional viewing trends.
- Presented data-driven insights on content performance and user engagement to stakeholders through comprehensive Power BI reports.

AWS based Data Warehouse for Crime Analytics

Aug 2024 - Dec 2024

- Developed and deployed an AWS-based data warehouse for crime analytics, leveraging SSIS for ETL processes, SSMS for database management, and SQL for data transformation and analysis. Contributed to the identification and prevention of crime patterns through data-driven insights.
- Designed and implemented interactive dashboards using Tableau to visualize crime statistics and trends, enabling law enforcement to proactively address potential hotspots and allocate resources effectively.

CERTIFICATIONS & LICENSES

Microsoft Certified: Azure Data Engineer Associate - 254435B8D14C92AE
Microsoft

Feb 2025 - Present