

Satish Varma Vejarla

Boston, Massachusetts, USA

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Summary

Recent Data Science graduate with hands-on experience in data analysis, visualization, and big data tools through academic and personal projects. Skilled in Python, SQL, Excel, and AWS, with a strong understanding of data pipelines and analytics workflows. I'm genuinely excited to start my career in the data field and apply my knowledge to solve real-world problems, uncover insights, and keep learning every day.

Education

University of Massachusetts, Dartmouth

Aug 2023 – May 2025

Master's in Data Science

GPA: 3.23 / 4.0

Relevant Coursework: Machine Learning, Big Data Analytics, Data Mining, Advanced Python, Statistical Methods, Data Visualization

Lendi Institute of Engineering and Technology

Jul 2017 – Apr 2021

Bachelor of Technology in Electrical and Electronics Engineering

GPA: 3.14 / 4.0

Relevant Coursework: Control Systems, Embedded Systems, Power Electronics, Digital Signal Processing

Work Experience

Application Development Associate

Oct 2021 – Aug 2023

Accenture Pvt Ltd, Hyderabad, India

- Deployed SAP Plant Maintenance (PM) module for a large-scale client to enhance asset reliability and maintenance compliance.
- Maintained and updated Material Master and Equipment Master data in SAP for streamlined maintenance operations.
- Created and processed maintenance notifications and work orders using SAP PM (T-codes: IW31, IW38, IE01).
- Developed preventive maintenance plans, task lists, and schedules (T-codes: IP41, IP10), resulting in a 15% reduction in equipment downtime.
- Collaborated with cross-functional teams to improve SAP master data accuracy and implement SAP best practices.

Skills

Programming: Python, C, SQL

Data Manipulation: Pandas, NumPy, dplyr, tidyr

Data Visualization: Tableau, Power BI, Matplotlib, Seaborn

Machine Learning: Scikit-learn, Regression, Classification, Clustering

Databases: MySQL, PostgreSQL, MongoDB

Big Data & Cloud: Spark, Hadoop, AWS (S3, Glue, Athena, Redshift, Lambda, QuickSight)

Tools: Jupyter, Git, VSCode, Excel (PivotTables, VLOOKUP)

Soft Skills: Communication, Collaboration, Data Storytelling, Analytical Thinking

Projects

Smart Transportation Analytics System

- Tools: AWS S3, Glue, Athena, Lambda, QuickSight, SQL
- Developed and optimized an AWS-based pipeline to analyze transportation records.
- Tuned Athena queries and automated ETL to improve dashboard responsiveness.

Visualizing Decades of Warming: Climate Change Impact

- Tools: Python, Pandas, Plotly, Flask, HTML/CSS, Git
- Designed interactive dashboards with long-term global temperature data.
- Presented project at a university seminar to improve climate awareness.

Video Recommender System using Advanced Data Mining Techniques

- Tools: Python, Pandas, NumPy, Scikit-learn, Flask, SVD, Cosine Similarity
- Engineered a movie recommender system using matrix factorization techniques.
- Enabled live title and genre search functionality via Flask interface.

Certifications

AWS Certified Cloud Practitioner • Data Analytics Job Simulation – Forage • Data Science Foundation – Great Learning • Excel Data Filtering & Sorting – Coursera