

Vakati Rutvij Reddy

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Education

George Mason University

MS in Data Analytics Engineering

Relevant Coursework:

- AIT 580 - Analytics: Big Data to Information
- CS 504 – Principles of Data Management
- STAT 515 – Applied Statistics and Visualization

Institute of Aeronautical Engineering (IARE)

B.Tech. in Computer Science and Engineering

Fairfax, VA

Aug 2025 – Present

Hyderabad, India

Graduated: 2025

Experience

Data Analytics Intern

Archents India Pvt. Ltd.

Hyderabad, IN

Aug 2024 – Jul 2025

- Analyzed 100K records using SQL, SSMS, and Power BI to uncover sales and performance trends.
- Automated recurring reports with Excel/Power BI, cutting manual effort by 35%, and consolidated multi-source data with Python/SQL.

Founder & Data Lead

Pullulate Pvt. Ltd.

Hyderabad, IN

Dec 2022 – Aug 2025

- Designed Power BI dashboards on AWS RDS for real-time KPIs and engagement tracking.
- Built ETL pipelines with Python (Pandas) and SQL and managed AWS EC2/S3/RDS with cost and access controls.
- Mentored team members on data quality standards and analytics workflows, translating technical requirements into actionable tasks and improving data accuracy by 20%.

Peer Mentor

Pullulate Pvt. Ltd.

Hyderabad, IN

Dec 2023 – Aug 2025

- Mentored junior team members on data literacy and self-service analytics, conducting weekly sessions on Excel, SQL, and Power BI.
- Created playbooks for common data tasks, reducing ad-hoc requests by enabling non-technical colleagues to access and interpret data independently.

AWS Intern

NSIC - Institute of Aeronautical Engineering

Hyderabad, IN

June 2023

- Deployed AWS EC2, RDS, S3 environments for analytics workloads and built a prototype Power BI cost-tracking dashboard.
- Tuned SQL queries and indexing to speed up dashboard refresh and query performance.

Projects

IBM HR Employee Attrition Analysis (STAT-515 Final Project)

R, Machine Learning

- Analyzed 1,470 employee records using logistic regression, decision trees, and random forests to predict attrition with 85% accuracy; identified key drivers including overtime, job satisfaction, and work-life balance ([GitHub](#), [Output](#)).

GitHub Pages Output Automation (STAT-515 Mid-Project)

R, Data Visualization

- Automated documentation/dashboard builds via GitHub Actions, generating analytics-ready outputs for R visualization repos ([GitHub](#), [Output](#)).

Data Visualization Automation – CS-504 Group 6

Python

- Built a Python pipeline and APIs to automate academic data visualization and generate interactive performance dashboards.

NFTGENIX – Decentralized NFT Analytics Platform

HTML, CSS, Python

- Developed an NFT analytics dashboard with Power BI; integrated blockchain APIs for real-time transaction data ([GitHub](#)).

Technologies

- **Programming:** Python (Pandas, NumPy), SQL, R
- **Databases:** MySQL, PostgreSQL, AWS RDS, SSMS
- **Visualization & Excel:** Power BI, Tableau, Excel (Pivot Tables, Power Query, dashboards)
- **Cloud & DevOps:** AWS (EC2, RDS, S3), Docker, Linux, Git, GitHub Actions
- **Methods & RPA:** Agile (Scrum), SDLC, UiPath workflow automation
- **Data Engineering:** ETL pipelines, data cleaning, data modeling, automation
- **Soft Skills:** Problem solving, collaboration, communication, attention to detail, peer mentoring in data literacy and self-service analytics