

Raghu vamshi Vadicherla

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SUMMARY

I'm a recent graduate Aspiring to be a Business Data Analyst, leveraging advanced skills in Python, MySQL, Power BI and Tableau to drive AI-driven analytics and dashboard automation. Proficient in transforming complex data into actionable insights, enhancing business intelligence and strategic decision-making. Passionate about fostering a data-driven culture and eager to innovate in dynamic environments, contributing to enterprise-wide improvements.

WORK EXPERIENCE

Auburn University at Montgomery

Research Assistant

Aug 2024 - Dec 2024

Montgomery, Alabama

- Worked on real-time projects involving data analysis, machine learning, and dashboard development.
- Used Kaggle to source real-world datasets for research projects and model development.
- Analyzed large datasets using **SAS** tools to extract business insights and support decision-making.
- Used version control (**GitHub**) for collaborative development and project tracking..
- Collaborated with professors and teammates to gather requirements and deliver weekly updates.

Software Developer

Icharts Technologies pvt ltd

July 2021 - July 2023

Hyderabad, India

- Analyzed business data, guiding client decisions with actionable insights.
- Optimized relational database queries using **MySQL** for improving performance and reporting accuracy.
- Conducted unit testing, debugging, and troubleshooting to identify and fix bugs, reducing issue resolution time by 25%.
- Worked across the Software Development Life Cycle (**SDLC**), from requirement analysis to deployment and maintenance.
- Developed automated data pipelines for ingesting and cleaning large datasets across **CRM** and operational systems.

PROJECTS

Students Marks Predictor

- Built a regression model to predict academic performance based on attendance, study time, and previous grades.
- Achieved 90%+ prediction accuracy using Linear Regression with visual error tracking.
- Containerized the application using Docker and established a CICD pipeline to build and push a new image every time the application is modified.

Executive KPI Dashboard

- Built an interactive Streamlit dashboard with filters, pivot tables, and visual charts to support executive decision-making.
- Automated data refresh from MySQL and Excel sources, reducing manual reporting time by 70%.
- Developed a complete data pipeline that extracted, cleaned, and visualized key performance indicators (KPIs) including sales, revenue, and ROI.

SKILLS

- **Programming:** Python (Pandas, NumPy), SQL, Java, DAX, Power Query
- **Visualization & Analytics:** Power BI, Tableau, EDA, Data Cleaning, Excel (Pivot Tables, VLOOKUP)
- **Databases & Tools:** MySQL, Data Pipelines, KPI Dashboards and ETL Processes.
- **Cloud & Data Tools:** Snowflake, Aws (EC2, S3, RDS, IAM), Azure.
- **Project Management:** Agile & Jira
- **Soft Skills:** Analytical Thinking, Communication, Problem-Solving, Teamwork and Collaboration

EDUCATION

Auburn University at Montgomery

Master of Science in Management Information Systems

Aug 2023 - May 2025

Vardhaman College of Engineering, Hyderabad

Bachelor of Technology in Information Technology

June 2018 – May 2021

CERTIFICATIONS

- Introduction to Career Skills in Data Analytics
- Programming Foundations With Python
- AI Fundamentals