

Rohit Pillalamarri

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CAREER PROFILE

Motivated computer science master's student with experience in Python programming and SQL database management seeking a role in data analysis. Skilled in MATLAB, Visual Studio, Jupyter Notebook, and MS SQL. Passionate about leveraging data to create innovative solutions.

TECHNICAL SKILLS

Programming: Python, C, MATLAB, Java
Tools & IDEs: Visual Studio, Jupyter Notebook, Tableau
Databases: SQL Server, MySQL, Oracle SQL
Big Data: PySpark
Hardware/IoT: Raspberry Pi, Arduino, Node-RED
Operating Systems: Windows, Linux (Ubuntu)

EMPLOYMENT EXPERIENCE

Computer Engineer – Rogers Tech LLC, Las Vegas, NV
Jul 2024 – Present

- Troubleshoot, maintain, and improve computer hardware and software systems to ensure optimal performance.
- Manage system configurations, perform software installations, and ensure hardware compatibility across various platforms.
- Automate scripts using Python to streamline data processing tasks, improving efficiency in data handling and reporting.
- Utilize SQL and Excel to generate reports, analyze trends, and deliver insights, helping lab technicians and other staff optimize performance through data-driven recommendations.
- Develop data analysis models to uncover patterns and provide predictive insights, enhancing decision-making for medical clients.

Data Analyst – Nile Group
May 2024 – Jul 2024

- Cleaned and visualized business data using Python, SQL, and Tableau.

- Developed interactive dashboards providing key insights that directly supported strategic planning decisions.

Data Analyst – Psquare Technologies LLC

Jun 2023 – May 2024

- Designed SQL queries and Python scripts for business analytics.
 - Delivered weekly Tableau reports highlighting KPIs and operational bottlenecks.
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EDUCATION

Master of Computer Science

Cleveland State University, OH — 2021–2023

B.Tech in Electronics & Communication Engineering

Amrita School of Engineering, Bangalore, India — 2016–2020

PROJECTS

Library Management System – SQL Server, T-SQL, Python

- Built SQL database and stored procedures for managing checkouts.
- Preprocessed data using pandas; planned GUI development in next iteration.

Food Pantry Management System – SQL Server, T-SQL, SSMS

- Designed and implemented a database system to track grocery distribution for university students.
- Created tables, check-in records, and inventory tracking using SQL Server and T-SQL.
- Simulated real-world usage scenarios using synthetic test data from tools like Mockaroo

Sentiment Analysis on IMDB Reviews – Python, NLTK, Scikit-learn

- Trained and evaluated classifiers to predict movie review sentiment.
 - Assessed model performance using precision, recall, and F1-score metrics in Jupyter Notebook to determine the most effective algorithm.
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CERTIFICATIONS

- IoT-based Scada using Raspberry Pi & Python | ISM
- Level Up: SQL | LinkedIn Learning
- Python Object-Oriented Programming | LinkedIn Learning
- Tableau Essential Training | NASBA and LinkedIn Learning
- Data Analyst in Python(Ongoing) - Datacamp