Grishma Patil

grishmapatil53@gmail.com | (862)-423-5277 | Newark, NJ | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

SUMMARY

With over 2 years of experience in data analytics across banking and healthcare, expertise in crafting scalable solutions that transform raw data into actionable insights. Proficiency in Python, SQL, ETL, Power BI, and AWS focused on the building predictive models while ensuring performance and reliability. Passionate about data to drive impactful decisions, requirements, and support collaboration for business success.

SKILLS AND TOOLS

Programming Languages and Databases: Python, Java, R, JavaScript, C#, SQL Server Management Studio, MS SQL
Tools and IDE's: Visual Studio Code, PyCharm, Databricks, MS Office, Linux, Eclipse
Key Competencies: DevOps, ETL, Tableau, Azure Data Factory, Data Warehouse, Scala, Google Cloud, Streamlit Jira, Analytical Skills, Snowflake, DAX, PowerBI, API, SAS, ServiceNow, UAT testing, Power Query
Certification: AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

Rutgers University | Newark, NJ   **Oct 2023 - Present**
Data Analyst
- **Extracted, cleaned, and analyzed 2,000**+ **student requests** using SQL, ensuring data accuracy and compliance with ADA standards.
- Automated reporting workflows with VBA, Excel using Pivot Tables, Macros, and VLOOKUP, reducing manual time by 20%.
- Enhanced data entry processes by standardizing workflows, enhancing data quality and improving efficiency across 7+ departments.
- Designed structured **Excel-based reports**, providing actionable insights to leadership for improved decision-making.

Cognizant | Remote   **July 2022 - Aug 2023**
Data Analyst
- Built and automated scalable **ETL pipelines using Apache Airflow** to process high-volume banking transactions and customer data, reducing **processing time by 30%** and improving data transformation efficiency.
- Optimized complex **SQL** and **PySpark queries for financial risk analytics**, enhancing data retrieval speed by 40% and ensuring faster regulatory reporting and fraud detection.
- Generated regular and ad-hoc reports, providing key financial performance indicators (KPIs) and actionable recommendations for ongoing financial research efforts.
- Developed and maintained **Tableau dashboards** to monitor risk, liquidity metrics, and account activity, reducing reporting latency by 35% and enabling real-time financial insights for stakeholders.
- **Applied CI/CD pipelines and Git**, automating data integration and deployment workflows, reducing deployment failures by 20%, and maintaining data integrity across banking systems.
- Applied statistical techniques and predictive modeling to forecast future financial trends, contributing valuable insights to financial research projects.
- **Collaborated in Agile environments**, managing sprint cycles, backlog items, and JIRA tickets, **ensuring on-time delivery** of banking analytics and automation projects.

Cognizant | Remote   **Jan 2022 - Jun 2022**
Data Analyst Trainee
- **Automated employee timesheet data processing** using **SQL and Snowflake**, reducing manual workload by **70%** and ensuring **seamless data transformation** for payroll operations.
- **Integrated data sources** into a **Hadoop-based batch processing system**, accelerating payroll data warehousing by **25%** and enhancing workforce analytics.
- **Designed automated reporting systems** to provide real-time insights on **employee attendance, shift patterns, and payroll adjustment**, supporting HR and finance teams in optimizing workforce planning.

PROJECTS

Customer Spending Predictor (Machine Learning, Web Application)   **Nov 2024**
- Implemented a **Gradient Boosting Regressor model** to predict customer spending based on age, income, and purchase history, improving forecast accuracy.
- Developed an interactive **Flask-based web application** with Bootstrap, allowing real-time user input and visualization of predictions.

Drowsiness Detection (Pandas, Computer Vision, Deep Learning)   **Dec 2023**
- **Developed a CNN-based model using OpenCV and TensorFlow** to detect driver drowsiness through real-time eye movement and facial landmark analysis, achieving high accuracy.

EDUCATION

Rutgers University, NJ   **Sept 2023 - Dec 2024**
Master's of Information Technology and Analytics   GPA: 3.75
ITM University   **Aug 2018 - Jun 2022**
Bachelor's of Engineering in Electronics and Communication   GPA: 3.4