

Reshma Punukollu

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• Reshma Punukollu Portfolio-reshma-punukollu.github.io

EDUCATION

University of Cincinnati, Carl H. Lindner College of Business

Cincinnati, OH

Master of Science, Major: Information Systems

Expected: Apr. 2024

Graduate Certificate, Data Analytics

GPA: 3.9

SKILLS

- **Computing Platforms:** Amazon Web Services
- **Analytical Tools & Languages:** Snowflake, Databricks, Jupyter, PySpark, Python, SQL, SAS, Hive, Apache Ambari, Teradata SQL Assistant, R, Shell scripting, Excel, Power Point, Tableau, PowerBI
- **Databases & Software:** SQL Server, Teradata, MS Project, JIRA
- **Additional Skills:** Database modelling, Bigdata, Hadoop, Cloud computing, Visualization, Agile, SDLC, Requirements gathering, Project Management, Systems Analysis and Design
- **Professional:** Business Ethics, Leadership, Project Management, Presentation, Verbal, and Written Communication.
- **Certifications:** Amazon Certified Solutions Architect Associate (validation number: 5D12H20N1F11ZSG)

WORK EXPERIENCE

Audit Data Analyst Intern

Jul. 2023 – Present

American Modern Insurance Group

Cincinnati, OH

- Devised efficient solutions for data-related challenges, contributing to a **20%** reduction in data processing time
- Optimized **SQL** queries for audit data retrieval, reducing query execution time by **30%**
- Achieved significant cost savings through **Python** automation, reducing manual audit hours by **30%**
- Utilized **Excel** to meticulously track and report compliance metrics, consistently achieving a **98%** or higher adherence to industry regulations.
- Employed **Power BI** to develop interactive audit reports with drill-down features, enabling auditors to swiftly detect and rectify data anomalies, resulting in a **15%** increase in operational efficiency
- Crafted **Cognos** reports, boosting data clarity by **20%** while concisely summarizing financial transactions, compliance metrics, and risk assessments within audit data
- Executed deliverables according to **Agile** methodology using the **Scrum** framework, and put them into action through **Jira** and **Azure DevOps**

Senior Analyst

May. 2022 – Jul. 2022

Synchrony

Hyderabad, India

- Reduced overall credit and fraud losses by **60%** by supporting the creation of an **Analytics Management Platform** and playing a critical role in identifying new trends
- Implemented **data pipeline** for ingesting transactional data across different **SQL** tables every **5 minutes** using **9 Cron** jobs on an **AWS** server, allowing for the creation of real-time fraud alerts
- Detected a potential fraud attack by analyzing authorization trends and identifying anomalous patterns, resulting in approximately **1 MM fraud attack alerts internationally and 2 MM in the US** with significant business impact
- Conversated with **stakeholders** to implement **9** different treatment protocols to deal with troublesome merchants

Data Engineering Senior Analyst

Jan. 2019 – Apr. 2022

Accenture

Hyderabad, India

- Reviewed and published data using **SAS** Enterprise Guide and **Python** that drove efficiency by **20%**
- Worked on complex data derivations using **Teradata** SQL Assistant for the **Data Analytics team** to analyze real-time data and develop code that provided **predictions** and insights to enhance business by **~30 %**
- Migrated On-prem data of **28+ applications** to cloud using **Amazon Web Services** that increased performance by **15 %** and documented details of migration on **GitHub**.
- Built data ingestion and transformation code using **PySpark** and **Python** on **Data Bricks** improving the ingestion speed by **67%**
- Streamlined the **ETL** processes by scheduling **Autosys** Jobs to refresh and load data in Hive and Snowflake, while also orchestrating the execution of associated shell scripts, resulting in a notable reduction of **42 manual hours per month**
- Managed work requests and delegated tasks to ensure timely project delivery with high-quality outputs, while also conducting **interviews**, onboarding for **3+** open associate positions, and providing mentorship and tool access

ACADEMIC PROJECTS

Analysis of Cincinnati housing data using R, Python and Tableau, Cincinnati, OH

Feb. 2023

- Provided insights on housing data collected for Cincinnati using R, Python and Tableau.

Analysis of Purchasing Trend for Regork Customers using Python, Cincinnati, OH

Dec. 2022

- Analyzed purchasing behavior of \$50-74K income range customers in the Grocery department using Python

Bearcat Bank design upgradation using SQL, Cincinnati, OH

Dec. 2022

- Developed a relational model to enhance the Bearcat Bank's business model by optimizing the structure