

Reshma Punukollu

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• [Reshma Punukollu Portfolio- reshma-punukollu.github.io](https://github.com/reshma-punukollu)

EDUCATION

University of Cincinnati, Carl H. Lindner College of Business

Master of Science, Major: Information Systems

Graduate Certificate, Data Analytics

MLR Institute of Technology – MLRIT

Bachelors in Electronics and Communication Engineering

Cincinnati, Ohio

Expected: Dec. 2023

GPA: 3.9

Hyderabad, India

Jun. 2018

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
- **Databases:** SQL Server, Teradata
- **Software:** 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, Management, Project Management, Presentation, Verbal, and Written Communication.
- **Certifications:** Amazon Certified Solutions Architect Associate (validation number: 5D12H20N1F11ZSG)

WORK EXPERIENCE

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
- Conversd 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.

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.

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

Data Analysis for Cosmetics Department of Regork using R studio, Cincinnati, OH

Oct. 2022

- Conducted qualitative and quantitative data analyses on the complete journey data set to extract insights.

Bearcat Bank Online bookstore design using concepts of systems analysis and design, Cincinnati, OH

Sep. 2022

- Designed Online bookstore which acts as a platform to order books using concepts of Systems Analysis and Design.