

## GREESHMA POTHINENI

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### SUMMARY

Data Analyst with 3+ years of experience in data analytics, cloud-based processing, and business intelligence. Proficient in ETL processes, SQL, Python, Snowflake and cloud platforms like Azure, AWS, along with visualization tools like Power BI and Tableau. Skilled in statistical analysis, EDA, and creating dashboards to drive data-driven decision-making.

### SKILLS

**Data Analysis:** Python, R, SQL, SAS, Advanced Excel, EDA, data cleaning, mining, visualization, predictive modeling, statistical modelling, machine learning (Logistic Regression, SVM, Neural Networks, Random Forest, Clustering).

**Programming:** Python (Pandas, NumPy, Seaborn, Scikit-learn), R (Tidy verse, Stats Models, ggplot2, Shiny), SQL.

**Visualization:** Power BI, Tableau, R Shiny.

**Databases & Cloud Platforms:** Azure SQL, Snowflake, SQL Server, PostgreSQL, MySQL, Azure (Blob Storage, SQL Databases, Virtual Machines), Databricks, AWS (S3, RDS, Lambda, Kinesis, QuickSight, Glue, DynamoDB).

**Tools:** Advanced Excel, Salesforce, SAP, ETL Tools (SSIS, DBT, Talend, Informatica), Apache Spark, Hadoop, Kafka.

**Certifications:** Microsoft Certified: Excel Associate, Power BI Data Analyst Associate, Azure Administrator Associate.

### WORK EXPERIENCE

#### iConsult Collaborative at Syracuse University

Syracuse, NY

##### Data Analyst | Excel, Power BI, Tableau, EDA

Aug 2024 – Present

- Performed data validation and cleaning to ensure accuracy and reliability for operational reporting and product development.
- Automated workflows and optimized reporting processes, reducing manual effort, improving efficiency, and boosting stakeholder engagement through impactful visual tools.
- Developed dashboards using **Tableau** and **Power BI**, enhancing departmental planning by improving data accessibility for 50+ stakeholders. Provided actionable insights through dynamic and customizable visualizations, streamlining decision-making.

#### Accenture Solutions Pvt. Ltd

Bangalore, India

##### Cloud Data Analyst | Azure (SQL, Blob Storage, Active Directory, Firewall), Databricks, Salesforce

Feb 2022 – July 2023

- Streamlined data storage and processing for 1,000+ users with Azure cloud infrastructure, enhancing operational efficiency. Optimized Azure **SQL** databases, achieving **30% faster** retrieval and ensuring application availability.
- Managed datasets with Azure Blob Storage, enabling advanced analysis and visualization. Implemented recovery strategies with Azure Backup and Site Recovery, ensuring data integrity, disaster recovery, and minimizing system downtime.
- Optimized CRM workflows by integrating Salesforce with Databricks, improving lead tracking accuracy and enabling scalable reporting solutions. Configured Azure Active Directory for secure identity management and streamlined cloud access.
- Led server updates for McAfee and Amcore, reducing security risks and ensuring system reliability. Deployed network security groups (NSGs) and Azure Firewall rules, protecting resources and maintaining compliance.

#### HCL Technologies

Chennai, India

##### Analyst | Azure cloud infrastructure, SQL Server, ETL pipelines, Python

Oct 2020 - Feb 2022

- Configured and maintained critical routers, switches, VLANs, and subnetting, ensuring efficient data flow across the network. Deployed load balancers, improving traffic distribution by **30%** and overall resource utilization.
- Implemented advanced firewall rules, **VPN** setups (SSL and IPsec), and intrusion prevention systems, significantly reducing security risks. Managed DNS configurations, enhancing routing accuracy and improving query resolution times.
- Automated detailed reports by integrating Salesforce and **SAP** with SQL Server, ensuring timely updates and accurate data tracking. Built robust **ETL** pipelines, reducing manual effort and boosting operational efficiency by **20%**.
- Created Power BI and Tableau dashboards to analyze data trends and generate actionable insights. Enhanced real-time analytics with Python scripting, improving data quality and operational performance.

### PROJECTS

#### Rotten Tomatoes Sentiment Classifier | Python, Scikit-learn, Pandas, NumPy, NLP

Nov 2024 - Jan 2025

- Designed and implemented a machine learning model using Logistic Regression, Naive Bayes, and Gradient Boosting to classify movie reviews with 62% accuracy. Applied advanced preprocessing and feature engineering techniques, including Bag-of-Words, bigrams, and sentiment lexicons, to enhance model performance.

#### Energy Consumption Analysis Prediction with Shiny App| R, predictive modeling, data visualization

Jan 2024 - Apr 2024

- Engineered predictive energy consumption models ( $R^2 \sim 89.85\%$ ) using R programming. Built an interactive Shiny app to visualize and analyze energy trends, enabling actionable stakeholder insights and decision-making.

#### Data Warehouse Implementation for Chinook Dataset | Snowflake, DBT, ETL

Feb 2024 - May 2024

- Transformed the Chinook dataset into a Snowflake data warehouse, enhancing data management and analytical capabilities. Designed dimensional models, developed ETL workflows using dbt, and integrated the data warehouse with Power BI.

#### Kitchen Chronicle | SQL, Power Apps, Power BI

Oct 2023 - Dec 2023

- Developed a comprehensive recipe database system with personalized recommendations tailored to user behavior and preferences. Leveraged advanced data analysis techniques to improve user engagement and provide meaningful insights.

### EDUCATION

#### Master of Science in Information Systems, Syracuse University, NY

Aug 2023 - May 2025

#### Bachelor of Engineering in Electronics and Communication Engineering, Anna University, India

Jun 2016 - Aug 2020