Ram Pravesh Kumar

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Professional Summary

Senior Analyst skilled in SQL, Python, Microsoft Azure, and Power BI, with experience designing scalable data pipelines and delivering actionable insights. Proficient in PySpark, Scala, and Databricks for large-scale data processing, and developed an AI chatbot using LangChain and AWS Bedrock. Passionate about leveraging data, analytics, and cloud technologies to drive business efficiency and informed decision-making.

Experience

Senior Analyst | **Capgemini** Nov 2024 - Present

- Designed and implemented end-to-end data integration solutions, optimizing workflows and resolving technical challenges.
- Collaborated with cross-functional teams to deliver analytics-driven insights for strategic decision-making.
- Analyzed complex datasets to identify business trends, improving reporting accuracy and process efficiency by 20%.

Skills

Programming Languages :	Python, SQL, Scala
Big Data & Analytics :	PySpark, Databricks
Databases :	PostgreSQL, Microsoft SQL Server
Visualization Tools :	Power BI, Microsoft Excel
Cloud & AI Tools :	Microsoft Azure,AWS Bedrock, LangChain agents
Concepts :	DBMS, Cloud fundamentals,ETL processes

Education

National Institute Of Technology Raipur 2020 - 2024
Bachelor of Technology, Electronics & Communication Engineering
CPI – 8.03/10.00

Projects

Database Design and Advanced Analytics for Heart Patients Dataset

- Designed and developed a PostgreSQL-based relational database integrated with Azure Data Lake, automating data preprocessing and missing value handling using python to enhance data accuracy and scalability.
- Derived analytical metrics such as diabetic status, abnormal ejection fractions, CPKL, and KD Health Rank, and visualized key insights through Power BI dashboards to support data-driven clinical decision-making.

Data Segmentation and Storage Optimization with Azure Data Factory

- Automated data segregation from Azure Blob Storage to Azure Data Lake using Azure Data Factory (ADF), ensuring structured organization and seamless data flow between storage layers.
- Developed a scalable ADF pipeline to automate data transformation, improve processing efficiency, and optimize data management for future analytics and reporting.

AI-Powered Self-Healing Code Generation Chatbot

- Developed an intelligent chatbot using AWS Bedrock and LangChain agents to automate code and test case generation from uploaded CSV files.
- Designed a dynamic metadata framework integrated with LangChain agents to enable multi-language code generation and self-healing capabilities that autonomously detect, re-execute, and resolve test case errors, enhancing accuracy and reliability.