RAKESH KUMAR SINGH

DATA ENGINEER - ASSOCIATE CONSULTANT – CAPGEMINI INDIA

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SUMMARY

A results-driven data engineer with over three years of experience in big data, machine learning, data science, and cloud technologies. Skilled in developing and optimizing data pipelines and collaborating with teams to deliver high-quality client service and dedicated to solving challenges in fast-paced environments.

WORK EXPERIENCE

Everest Insurance

Data Engineer
May 2024 – Present

- Built and maintained data pipelines using TPA, SoR, USPS, etc., to ADLS Data Lake, handling over 1 TB of data daily.
- Enhanced efficiency by debugging production notebooks and streamlining workflow processes, reducing runtime by 35%.
- Authored comprehensive documentation for data pipelines and ETL processes, improving onboarding efficiency by 20%.
- Optimized SQL queries for performance, resulting in a 50% reduction in data retrieval times.

Hindustan Unilever

Data Engineer
August 2023 – April 2024

- Engineered Intelligent Pipelines for parallel data loading with periodic scheduling.
- Re-constructed 250+ data pipelines with comprehensive functionality, including triggers and integration runtimes.
- Merged multiple Azure Data Pipelines, improving efficiency by 40%.
- Debugged many Databricks notebooks, resolving issues and fixing failures.

Burberry London

Big Data Engineer & Developer
January 2022 – August 2023

- Managed multiple 50 CRs for live reports, ensuring modifications were accurate, achieving a 99% accuracy rate.
- Collaborated with various development team for follow-up tasks, ensuring error-free reports and reducing post-deployment issues by 40%.
- Collaborated with Burberry business users to secure official approval, ensuring seamless production deployment.
- Conducted rigorous Unit and Regression Testing to ensure robustness and reliability.

Millennial Garage

Internal Project Lead
August 2021 – December 2021

- Made an EDA Dashboard with interactive graphs and ML algorithms using Python (Plotly, Streamlit, Seaborn) ans was capable of generating detailed report within 5 seconds.
- Integrated few algorithms such as regression, decision trees, and random forest models for enhanced analytics with an accuracy of 92%.
- Implemented data cleaning and validation techniques to ensure accuracy and reliability.

SEO Design Pvt. Ltd.

Full Stack Web Developer
February 2020 – July 2020

- Designed, developed, maintained, and deployed more than 25 websites and applications, managing both front-end and back-end tasks.

EDUCATION

- **Bachelor Of Technology in Computer Science and Engineering**

Lingaya's University, Faridabad

August 2016 – July 2020

TECHNICAL SKILLS

- **Softwares:** Anaconda, Power BI, MS Excel, Visual Studio
- **Cloud Platforms:** Azure Data Factory, Azure Synapse, Azure SQL
- **Management Tools:** Confluence, Jira
- **Programming Languages:** SQL, Python, Pyspark, Spark, Mongo DB, Scala, Hadoop, HTML, CSS, PHP, Bootstrap
- **Data Visualization:** Plotly, Streamlit, Seaborn
- **Big Data Technologies:** Databricks, Hadoop, Spark, ADLS

CERTIFICATES

- **Introduction To Big Data** - Learned about the terminologies and fundamental concepts underlying big data challenges, applications, and systems. **(See Certificate)**
- **Associate Data Analytics –** Learned how to extract a useful result out of raw data with the use of Python Libraries, Excel, Tableau and R Programming. **(See Certificate)**
- **Azure Fundamentals (AZ-900) –** Microsoft Certification on Azure Fundamentals certification which confirms my grasp of essential Azure concepts and services. **(See Certificate)**
- **IBM Big Data** - Learned about Big Data tools including Hadoop, Hive, HBase, and Pig to manage and analyze large datasets, enhancing my capabilities in the world of data processing and analytics. **(See Certificate)**
- **Data Engineer Capgemini Certified –** A professional certified in data engineering, skilled in designing, building, and maintaining data infrastructure and pipelines. **(See Certificate)**

LANGUAGES

- **English:** Full Professional Proficiency
- **Hindi:** Native or Bilingual Proficiency

ONLINE PROFILES

- **GitHub: (View Profile)**
- **LinkedIn: (View Profile)**