

Ashish Shiwani

Chicago, Illinois, US ✉ ashiwani33@gmail.com ☎ (201) 838-0783 📱 in/ashish-s-9899b537 🌐 ashishshiwani.com

SUMMARY

Versatile Data Engineer with a solid 5-year track record in adept information analysis and seamless orchestration of end-to-end product cycles. Demonstrated excellence in transforming challenges into inventive solutions, consistently delivering high-caliber data-driven products.

EXPERIENCE

Data Engineer Microsoft

January 2023 - Present, US, WA, Redmond

- Spearheaded the development of critical components for Azure Storage, optimizing data retrieval processes and contributing to a 20% reduction in latency.
- Developed and implemented Python scripts, showcasing proficiency in coding and scripting, to automate critical tasks, streamline processes, and enhance overall system efficiency in both data engineering and firmware development roles.
- Implemented inventive solutions to enhance the scalability of Azure Storage, resulting in a 30% improvement in system performance during peak workloads.
- Streamlined and optimized data pipelines, reducing processing time by 25% and improving overall efficiency in data transfer and storage.

Lead Data Engineer Vanguard

April 2022 - December 2022, US, IL, Chicago

- Pioneered the integration of cutting-edge technologies, including leveraging the power of Kubernetes for containerized deployments, ensuring a state-of-the-art and highly scalable infrastructure for data engineering applications.
- Spearheaded the adoption of Azure Synapse Analytics to process large volumes of data and generate analytics, improving efficiency by 10x and reducing processing time from 5 days to 5 hours.
- Led the implementation of serverless computing with AWS Lambda, replacing traditional data processing workflows, optimizing resource utilization, and reducing data processing costs by 65%.

Data Engineer Marcell Technologies

January 2020 - December 2020, PK, Karachi

- Used Python to build a pipeline that combines data from multiple datasets and populates a database, empowering the company's sales team with insights that increased conversions by 15%.
- Implemented advanced data manipulation techniques with Pandas, ensuring data integrity and facilitating the creation of comprehensive reports and visualizations for stakeholders.
- Integrated Power BI into data analysis workflows, creating dynamic and interactive dashboards that enhanced data visualization and reporting capabilities, resulting in more accessible and actionable insights for stakeholders, and increasing stakeholder engagement by 2x.

Associate Data Analyst 47 Tech

January 2018 - December 2019, PK, Karachi

- Executed comprehensive data cleaning processes, reducing dataset errors by 25% and ensuring accuracy in analysis.
- Conducted in-depth statistical analysis on customer behavior, leading to a 15% improvement in targeted marketing strategies.
- Managed and optimized databases, resulting in a 20% reduction in query response time and improved overall system efficiency.

SKILLS

Methodologies: SDLC, Waterfall, Agile.

Data Analysis: Databricks, Azure Data Factory, Azure Delta Lake Storage, Key Vault, Function App, Service Bus, Python, Spark, Airflow, AWS Glue, Hadoop, AWS Glue, AWS Athena, Hive, GCP Cloud Storage, Big Query ML.

Algorithm: Linear Regression, Logistic Regression, Decision Trees, Supervised Learning, Unsupervised Learning, Classification, SVM, Random Forests, Naive Bayes, KNN, K Means, CNN.

Data Visualization: Power BI, Excel, Tableau, Azure Synapse Analytics, ggplot2, Seaborn.

Testing: Jenkins, Selenium, Postman, Jira.

Languages: Python, SQL, Nosql, Java, R, HTML, CSS, JavaScript, Bash Scripting.

Frameworks and Libraries: Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow, Keras, Matplotlib, PyTest, Conda, Git, PySpark, Ray, Tensorboard, Jupyter, FastAPI, Flask, Tensorboard.

EDUCATION

Masters of Data Science

Illinois Institute of Technology · US, IL, Chicago · 2022

Bachelors of Computer Science

Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology · PK, Karachi · 2020
