Bhushan Ambekar

Systems Engineer

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Data-focused Cloud Practitioner with a successful history of delivering chatbot solutions and driving innovation through internal hackathon participation.

SKILLS

Techniques and Skills: Machine Learning, NLP, Chatbot Development, Python Scripting, Shell, SQL
Tools and Frameworks: Jupyter, Python, pandas, numpy, MySQL, AWS, Azure ,AWS-GLUE, Azure-DataFactory

WORK EXPERIENCE

Systems Engineer (Analyst)   January 2022 – Present
Pune, Maharashtra
Involved in analyzing data for the team in order to give better understanding about data and the relation between features.

- Performed data imputation and cleaning to ensure the accuracy and completeness of datasets, resulting in a 10% increase in data quality.
- Conducted exploratory data analysis to identify relation between the independent and dependent features to support the team for further ML model building tasks.
- Carried out Descriptive analysis on data using python to understand the distribution of data

Created and deployed a demo chatbot solution, leveraging the Rasa framework and integrating with Azure cloud and Slack. Contributed to RFP bid.

- Leveraged Rasa open-source framework to develop chatbot equipped with client-defined intents, delivering a fully functional solution.
- Incorporated custom actions to efficiently call API developed by team. Deployed the solution on a secure and scalable Azure App Service, with the custom action server hosted on Azure virtual machine
- Successfully integrated the chatbot with Slack, providing seamless interaction through the Slack channel functionality

Internal Hackathon Project

Developed Data Engineering Pipeline for hackathon. Utilized Azure data and cloud tools to create the pipeline.

- Designed and implemented a streamlined data processing pipeline using Azure Data Factory to automate pipeline.
- Implemented Data ingestion from azure blob storage and stored processed data in Azure SQL Database to query the result tables.
- Built dataflow on Azure Data Factory to implement business logic on flat files.

EDUCATION

Maharashtra Institute of Technology (MIT, Pune)
Bachelor of Engineering, 2020
CGPA (6.9/10)

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Infosys Certified Python Associate
- Infosys Certified Python Programmer