DAAMAN MEHTA

Software Engineer

CONTACT

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SUMMARY

Software Engineer with 5 years of experience working under scale agile methodology. Proficient in developing, testing and implementing software solutions that meet customer requirements and business goals using Python, MySQL, Pandas, numpy, scrapy, Beautiful Soup, AWS, Flask,Rest APIs, Docker, CI/CD pipelines.

CERTIFICATION

Azure Fundamentals (AZ-900)/ 2023

SKILLS

Programming and Scripting languages:

Python
Pyspark
NLP
Flask
Docker
Shell scripting
Pandas/Numpy

Frameworks, Tools and VCS:

Flask
RASA
CI/CD
Git/Bitbucket
JIRA/Confluence

Cloud Platforms:

AWS
Azure

PROFESSIONAL EXPERIENCE

Incubit(American Express), Gurugram, India

Python Developer, Sep 2021-Present

Responsibilities

- Implemented a web-server based front end agnostic architecture of API's Framework using Python, Flask, SQL, bash scripting.
- Worked efficiently in data collection, cleaning and restructuring for analysis using Pandas(Python).
- Developed PySpark data pipelines for extracting, transforming, and loading data from various sources.
- Experience in deploying applications on the AWS cloud platform.
- Proficient in developing AWS Lambda functions tailored to specific requirements.
- Deploying container based Applications using docker and Docker Compose.
- Automated Application deployments using CI/CD pipelines.
- Assisting teams in on-boarding their models onto our platform.

OrangeMantra, Gurugram, India

Python Developer, June 2020-2021

RespoNSibilities

- **Renewal Analytics and Notification System** - Created API and modules used as crons for computing possible commission for partners and for sending possible earning for a given duration in future. Tech Stack: Python
- **Transaction Sheet Optimization** - Optimization of transaction sheet used for calculating payout of commercial insurance by using pandas and will be able to reduce time by 60 percent.
- **OTP Functionality** - Optimization of Otp functionality so that user can only get otp once in 120 second.

Databases:

MySQL

Redis

Postgres

MongoDB

OS and Devices:

Linux(Redhat &Ubuntu)

Unix

Windows

C-Zentrix, Gurugram, India

Software Engineer,June 2018 - June 2020

1. Sentiment Analyzer

Developed a sentiment analyzer using Python to analyze the sentiment of textual data. The goal of the project was to accurately classify text as positive, negative, or neutral and help the organization to know the feedback of customers for each service.

Technologies and Tools Used:

Python, Natural Language Processing (NLP), NLTK, spaCy, Machine Learning, Pandas, Numpy, Support Vector Machines (SVM), Command-Line Interface (CLI), Git , Flask.

Responsibilities:

- Utilized Python and its natural language processing (NLP) libraries, such as NLTK, Spacy, Pandas, Numpy , sklearn to preprocess and analyze text data.
- Implemented a machine learning model support vector machine (SVM), to classify the sentiment of the text.
- Conducted testing and evaluation of the sentiment analyzer to ensure its reliability and accuracy using evaluation metrics such as accuracy, precision, recall, or F1 score.
- Deployed the sentiment analyzer into a production environment using Flask.
- Collaborated with a team of data scientists and software engineers to integrate the sentiment analyzer into an existing application, enhancing its functionality.

2. AI CHATBOT

- Developed and implemented a conversational chatbot using the RASA framework and Python.
- Utilized Python to customize and extend RASA's functionalities, enabling advanced features like entity recognition, sentiment analysis, and multi-turn conversations.
- Designed and trained NLU (Natural Language Understanding) models to accurately comprehend user intents and extract key entities, enabling the chatbot to provide relevant and personalized responses.
- Created custom actions using Python within the RASA framework to enable dynamic conversations with users.

3. HelpDesk Management

Helpdesk management system is a platform which has the ability to assign disposition to the any request that is landed to our portal through mail. This will reduce the work of helpdesk and also reduce the percentage of missing any of the request.

Responsibilities:

- Collected and prepared the data for analysis. Used Python libraries or tools such as BeautifulSoup for web scraping and NLTK for text preprocessing, tokenization, and stemming.
- Trained the model to autonomously categorize specific client issues.
- Extracted relevant features from the text, such as bag-of-words representations to improve the model's accuracy.

EDUCATION

Chandigarh Group of Colleges, Mohali, India

Bachelor of Technology - CSE, 82%, June 2018