



Shamim Ahmed (ITA)

Experience in executing full life-cycle development projects; ramping up projects within time, budget & quality parameters, as per project management & best practice guidelines, Keen Interest in working **Python, Data Science, Machine Learning, AWS services and Deep Learning Technologies.**

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Profile Summary

- **Achievement-driven professional** with an experience of **nearly 5+ years in TCS**
- Experience python programming and AWS components of 2+ years.
- Actively participating and 2-star rating in Code chef.
- Good knowledge of Data Structures and Algorithms.
- Good knowledge of SQL.
- Experience in PeopleSoft ERP of 3 years.
- Experience in AWS services like Lex, Lambda, Cognito, Elastic search and ec2 etc.
- Experience in Python language and flask framework.
- Skilled in libraries such as **Sklearn, NumPy, Pandas, Matplotlib, Seaborn for Data Visualization.**
- Rich experience in all phases of the **software development life-cycle** (requirements, design, development, testing, release, support), utilizing multiple development methodologies.
- Expertise in manipulating and analyzing complex, high-volume, high-dimensionality data from varying data sources.

Core Competencies

Data Science

Machine Learning

AWS Kinesis

AWS Lambda

AWS Transcribe

AWS connect

AWS S3

AWS Lex

AWS EC2

Predictive Modeling

AWS Elastic Search

AWS DynamoDB

Python

Career Timeline

Over 3-year experience in PeopleSoft HRMS.

Knowledge of Core HR Functionality in PeopleSoft HRMS like Job Data, Position Data, Application engine and knowledge of Integration broker.

Keen Interest in working Machine Learning and AI project.

Done House price predication model in Kaggle competition. In that, I have done feature cleaning, feature imputing, feature scaling.

Developed NLP platform using NLTK in Python like loading and cleaning data, forming list of keywords, tokenizing, POS in scikit-learn.

Created Recommendation system using following methods: Weighted method, Nearest Neighbors.

Created Basic email spam Classifier through Naïve Bayes techniques.

Created FAQ Chatbot using AWS lex, lambda and elastic search.

Good Knowledge of python language.

• Projects

- Developed and provide support in core HR of PeopleSoft ERP and created various custom modules like ID Management and Asset Management. Worked on Oracle SQL developer to write complex queries and fetch data.
- Build Intelligent Virtual Assistant Chatbot Using Amazon Lex is used to provide custom responses for the identified use cases (with the help of Amazon Lambda). Also used Amazon API Gateway for handling initial hand shake of UI with the Amazon Connect and also used Amazon Cloud Formation Stack to build this start chat contact API Solution
- Build IVR system Using Amazon Connect Chat wherein SQS is used to provide data i.e, phone number to AWS lambda which hits the API of AWS connect and make calls to the customer. We use AWS lex for recording response of the customer and for better accuracy we use transcribe to get text from wav file.
- Build IVR Using Amazon Connect Chat wherein Amazon Lex is used to get customer responses for the identified use cases (with the help of Amazon Lambda) and transfer the chat to Live Agents when demanded by the Customer. Use Kinesis for call recordings and transfer data to the 3rd Party rest API using AWS lambda. Consume CTR and generate various metrics from CTR.

Work Experience

Key Result Areas:

- Working closely with business and engineering teams to encourage statistical best practices with respect to experimental design, data capture and data analysis
- Participating in Data Preprocessing Techniques in order to make data useful for creating Machine Learning Models
- Building various regression and classification algorithms by using various Sklearn libraries such as Linear Regression, Decision Trees and Naïve Bayes etc.
- Knowledge of NLP Techniques and implement basic type of spam classifier.
- Knowledge of flask framework.
- Good knowledge of SQL queries.
- Knowledge of AWS Services.

Highlights:

- Recognized by managers, colleagues, and peers for innovation, communication, and teamwork to ensure quality, timely project completion.
- Attain three times on the spot award and one time best team award in TCS.

Technical Skills

Programming Languages: Python, Machine Learning, Sklearn Libraries, Java, People code

Databases: MySQL, Good knowledge in Oracle.

Platforms and Misc: Anaconda, Jupyter Notebook, Spyder IDE,, Anaconda, Windows XP/W7/W8

Personal Details

Master in Computer Application from Jamia Millia Islamia, New Delhi.

Secured respected 7.29 SGPA in MCA

Bachelor in Computer Application from Guru Gobind Singh Indraprastha University, New Delhi

Secured respected 63.28 CGPA in BCA.

