

# Deboshruti Biswas

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## CAREER OBJECTIVE

I'm a dedicated worker with excellent communication, time management and computer skills. I'm aiming to leverage my abilities to successfully fill the vacancy in your company. Frequently praised by my peers I can be relied upon to help your team and company to achieve its goals

## EXPERIENCE (TCS: JUNE 2016 – PRESENT)

### *Machine Learning Engineer (Bengaluru: October 2020 – Present)*

**Tools/Technology Used:** Python-3.8, NoSql, Supervised Machine Learning, AWS Server less Services (S3, Lambda, Comprehend, Textract, A2I, DynamoDB, Step Functions, Sagemaker, Parameter Store), JIRA, Confluence, Github, Terraform, VS Code

- Building Real-time file processing, Data processing, Data validation and File classification system. Using this solution we were able to achieve the whole end to end process in a matter of minutes which ideally used to take days.
- Using AWS Textract inside Lambda consuming PDF documents / Letters and converting them into JSON.
- Using NLP and perform pre-processing steps to clean the data and extracting the important numbers and doing format validation using Regular expressions and entering them into the NoSQL AWS DynamoDB.
- Identify the Entities/PII/Key-Phrases in a corpus using AWS Comprehend.
- Use XGBoost algorithm for multi-class classification to predict the input document category and then extract the relevant details from the document.
- Using GraphQL to consume API for downstream integration.
- Using Step Functions and Parameter Store to orchestrate the whole flow.
- Using Terraform building the Infra pipeline.

### *Data Analyst (Bengaluru: October '2019– September '2020)*

- For India's one of the largest retail/clothing store, using Market-Basket analysis, helped retailer develop design different store Layouts, marketing strategies by gaining insight into which items are frequently purchased together by customer.

### *Technical Documentation Analyst (Bengaluru: June '2019–September '2019)*

#### **Tools Used:** ServiceNow

- Identify and make recommendations for process and tool improvements that increase the efficiency and productivity. Analyzed the ServiceNow CMDB Database results and made recommendations for improvement, and integrate changes which were really appreciated and in turn saved 45 minutes of time per CR
- Manage document libraries and collaboration site using Microsoft SharePoint. Management process by assisting with design and change documentation. Assist in authoring product and project documents. Perform Audits to identify any process gap while teams raise various Change requests/Incidents.

### *Mainframe Developer (Chennai: August '2017– May '2019)*

#### **Tools Used:** ServiceNow, BMC Remedy, Endeavor, JCL, COBOL, COBOL-DB2

- Worked as a Mainframe Developer for a leading UK financial services provider, offering life insurance, pensions, and retirement and investment services.
- Understanding the requirements provided in the High Level Document (HLD) by the Business Analyst (BA) and creating the Low Level Document (LLD). Once the LLD was signed off, creating / modifying, new / existing jobs to meet the requirement.
- Prepared test JCLs to perform Unit testing, Component testing and to check if the coding standards as set by the customers are met or not. Migration of the code to Production and provide support in case of any post deployment bugs.

## **Mainframe L2 Support Engineer (Chennai: October'2016 – July'2017)**

**Tools used:** z/OS, Control-M, Splunk, Passwordsafe, ServiceNow

- Worked as a part of multiple Insurance Group backend support team providing 24\*7\*365 monitoring of scheduled batch jobs and file transfers for of businesses like Claims, Auto, Property and Billing.
- Performed enhancements/automation for batch jobs in order to avoid the abend of jobs which in turn had supposedly reduced the time to restore the jobs back manually by 30-40 minutes.

### **RELEVANT COURSE/ CERTIFICATION EXPERIENCE:**

- Data Science with Python – Simplilearn
- Machine Learning – Simplilearn
- Master PostgreSQL for Data Science – Udemy
- Microsoft Azure Basics (AZ-900)

### **TECHNICAL SKILLS:**

- AWS Server less Services (IAM, S3, Lambda, DynamoDB, Textract, Comprehend, A2I, Step Functions, QuickSight, Sagemaker, Parameter Store, SNS, EventBridge, Cloudwatch)
- Python for Data Science (NumPy, Pandas, Scikit-learn, JSON, DateTime, Regular Expressions, NLTK)
- NLP Techniques (Tokenization, Bag of Words, Stemming, Lemmatization, N-Grams, Tf-Idf, Word2Vec)
- Supervised Learning Algorithms( Regression, Classification, Ensemble Learning )
- Unsupervised Learning (Association Rule Mining, Apriori)
- Basics of Terraform(S3, DynamoDB, Lambda, Step function, SnS, EventBridge, Sagemaker, Cognito )
- SQL
- Ms-Excel, MS-Word, MS-PowerPoint
- Excellent Verbal and written Communication
- Statistics for Data Science

### **ACHIEVEMENTS & RECOGNITIONS:**

- Cleared TCS Digital Capability Assessment (2019) and became a Digital Champion.
- Service & Commitment Award (2021) | Special Initiative Award (2020) | Best Performer | Star of the Month (Jan-2018, Jul-2017) | On the Spot Award (2021, 2020, Oct-2017) | Certificate of Recognition (Oct-2017) | Best Team Award(2020, 2017)
- Special Initiative award for creating teaching materials for special children with Autism

### **EDUCATION DETAILS:**

- Completed my B.Tech (Mechanical Engineering) in 2016 from Institute of Technical Education & Research (ITER), Bhubaneswar with 9.08/10 CGPA.
- Completed by 12<sup>th</sup> (ISC - 2012) and 10<sup>th</sup> (ICSE - 2010) from D.B.M.S English School, Jamshedpur with 77.60% and 81.00% respectively.