

SHREESHIV PATEL

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EXPERIENCE

Deutsche Bank, Technology Analyst

August 2020 - August 2021

1. dbECM Datalake - Working in Cloud Platform Tech Division(CPT). Main responsibility includes development of a multitenant-capable full-text search engine for data-store. The products in the suite are built to fetch documents with low-latency. Technologies used: Springboot, Java, Elasticsearch, Kibana.
2. dbTextextract - Worked on DB-native platform to extract key insights from documents. Use-cases: Key-value pair extraction from different documents like, Tax-forms, KYC documents
3. Document AI- Developed working prototype for intelligent document processing for different use-cases like dynamic table detection, form parser, and ICR using Google Document AI.

Expense.AI, Creator

January 2020 - June 2020

1. Expense.ai is a cloud-based platform to organize and store all invoices at one location. Developed an android application and deployed it on Google Play Store.
2. Designed framework to extract key invoice parameter from scanned documents. Designed and implemented different services for unique usage and integrated with the end-to-end pipeline.

Microsoft, Software Engineer Intern

May 2019 - July 2019

1. Abstractive Ad copy generation using the seq2seq model.
2. Worked in Machine Learning team at Bing Ads. My project was based on Ad automation. Developed a working prototype for generating Ads' parameters using end to end sequential model.

CodeAdda, Technical Head

November 2018 - November 2019

1. Code-Adda is a competitive coding club at Nirma university. Organized many programming contests on various coding platforms. Mentored juniors and took lectures on competitive coding.

PUBLICATION

- Patel, Shreeshiv, and Dvijesh Bhatt. "Abstractive Information Extraction from Scanned Invoices (AIESI) using End-to-end Sequential Approach." arXiv preprint arXiv:2009.05728 (2020). APA

PROJECTS

AIESI: Abstarct Information Extraction from Scanned Invoices

January 2020- June 2020

- Part of a major project, done alongside with Expense.ai platform and integrated with it to extract key information from scanned invoices. Implemented complete pipeline to extract Key Invoice Parameters like amount, date, payee name and etc.

Fake News Classifier Using ML

July 2018- May 2019

- This involves classifying fake news. Worked on a dataset of news articles during 2016 election. Classification of fake news using various machine learning models such as KNN, Naïve Bayes, SVM, Decision tree. Compared their accuracy, latency, and different matrices. Also identified and explored different approach for fake news classification using deep neural networks.

Data Analysis Using Twitter API

January 2018- May 2018

- Extract data from Twitter API using TwiPy, pre-processed text and word-embedded. Compared different methods for text-embedding and identified best approach for my use-case. Achieved an accuracy of around 86%. Did sentiment analysis of each tweet and also identified use-cases of this system.

- Part of my seminar work and got A+ grade.

PMS: Prison Management System

January 2019- May 2019

- Built a web based and a desktop based application. Designed various functionalities and implemented them with various java technologies like, Springboot, Java Persistent API, Swing.
- Got highest marks in subject of Java Technologies for innovative assignment.

Airport Management System in C

January 2017- May 2017

- Designed and implemented various functionalities for ticket booking and flight management.

EDUCATION

Masters in Computer Science

August 2021 - Present

Arizona State University

Responsibilities: GSA in CSE 110 Lab instructor, and also helping professor in creating Assignments.

Main coursework: CSE 598: Deep Learning, CSE 576: Natural Language Processing, CSE 551: Foundations of Algorithms

Bachelor of Technology in Information Technology

June 2016 - June 2020

Institute of Technology, Nirma University

First Class with Distinction

Main coursework: Deep Learning, Advanced Data Structure, Design and Analysis of Algorithms, Computer Architecture, Information Retrieval System, Database Management Systems, Operating Systems, Object Oriented Programming

AWARDS/ACHIEVEMENTS

- Solved 1000+ problems on different coding platforms. Actively solve problems on coding platforms.
- Codechef rating: 5 star, <https://www.codechef.com/users/shreeshiv>
- Codeforces rating: Expert(1696), <https://codeforces.com/profile/sshiv>
- Spoj world rank: 3494, <https://www.spoj.com/users/shreeshiv/>
- State level football player(Part of my district team, two times)
- Got scholarship in Gujarat Talent Search Test(Conducted by Gujarat Education Board)

TECHNICAL SKILLS

Programming Language	C, C++, Java, Python, Javascript
Frameworks and Utilities	Springboot, Tensorflow, Pytorch, Elasticsearch, MySql, Kibana, Hadoop, Swing, Java Persistence API, Hibernate