

JIMIT DHOLAKIA

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EDUCATION

Stony Brook University

Master of Science in Computer Science, GPA: 3.31/4.0

Stony Brook, NY

Expected Dec 2022

Relevant Coursework: Data Science, Analysis of Algorithms, Data Mining, Big Data Analytics

KJ Somaiya College of Engineering

Bachelor of Technology in Computer Engineering, CGPA: 9/10

Mumbai, India

May 2018

Relevant Coursework: Machine Learning, Object-Oriented Programming, Database Management Systems, Data Structures, Algorithms, Operating Systems, Software Engineering, Software Project Management

SKILLS

Python, Data Science, Machine Learning, Deep Learning, NumPy, Pandas, scikit-learn, Keras, TensorFlow, PyTorch, OpenCV, spaCy, Hive, MongoDB, SQL, Flask, FastAPI, Streamlit, Git, Docker, Linux, Agile Methodologies, LaTeX

WORK EXPERIENCE

Stony Brook University

Teaching Assistant

Stony Brook, NY

Aug 2021 – Dec 2021

- Conducted weekly office hours and graded Python assignments & projects for Digital Intelligence, a class of 600 students

Jio Platforms Limited

Data Scientist

Mumbai, India

Jul 2018 – Jul 2021

- Implemented Document Validation System to automatically validate various fields using Python, OpenCV, OCR, Fuzzy String Matching, and Kafka which reduces the time taken from 15 mins to 2 mins and processes >5000 documents daily
- Architected and devised an algorithm within 3 sprints to find potential duplicates from Material Master Data which is estimated to have 10-40% cost savings and reduces the efforts of the MDM users by 50%
- Developed Intelligent Incident Management System using Natural Language Processing to automatically categorize tickets and search for past resolutions of incidents with an average response time of 20 milliseconds
- Built a prediction model for MRO Materials using Machine Learning with an accuracy of 90% for 95% of materials
- Created a service for RF Hospital using NLP & Trie to search for medications with a mean response time of 30 milliseconds
- Managed a team of 5+ interns by guiding and mentoring them for their assigned projects
- Awarded with the R-Sammaan Recognition Awards by four senior leaders and received various recommendations on LinkedIn for designing and implementing projects that solve complex business use-cases and delivering optimal results

ACADEMIC PROJECTS

Job Title Analysis (Stony Brook University) [\[Link\]](#)

Oct 2021 – Dec 2021

- Developed a model to predict the salaries by using Natural Language Processing techniques on Job Title & Skills, and combining it with ordinal features such as Education Levels using Machine Learning Algorithms having an R^2 Score of 0.901
- Performed clustering on Job Titles by considering the required skills using Fuzzy String Matching, TF-IDF Vectorizer, and DBSCAN Clustering to achieve Silhouette Coefficient of 0.134, and deployed the User Interface using Streamlit

Website Fingerprinting using Deep Learning (Stony Brook University) [\[Link\]](#)

Oct 2021 – Dec 2021

- Reimplemented the paper "Automated Website Fingerprinting through Deep Learning" by developing Convolutional Neural Network using PyTorch and Random Forest Classifier using Scikit-learn to achieve an accuracy of 94.02%

Personalized Web Search based on User Profiling (KJ Somaiya College of Engineering)

Jul 2017 – Mar 2018

- Implemented Topic Modeling using Latent Semantic Indexing (LSI) and word2vec models; dynamically created hierarchical clusters of browsing history to re-rank the Search Engine Results Page for personalized search results
- Published the paper "Mining User's Browsing History to Personalize Web Search" in 2018 ICICCT, IEEE [\[Link\]](#)

CERTIFICATIONS

- Jio Certified Cloud Computing Practitioner (Jio Platforms Limited) Jun 2021
- Deep Learning Specialization (deeplearning.ai / Coursera) Jun 2020
- Python for Everybody Specialization (University of Michigan / Coursera) Aug 2018