

JIMIT DHOLAKIA

Stony Brook, NY | +1 (631) 710-9259 | jdholakia@cs.stonybrook.edu
www.linkedin.com/in/jimit105 | github.com/jimit105 | jimit105.medium.com

EDUCATION

Stony Brook University, Stony Brook, NY **August 2021 – December 2022 (Expected)**
Master of Science in Computer Science *GPA: 3.31/4*

Relevant Coursework: Data Science, Analysis of Algorithms, Computer Networks, Human-Computer Interactions

KJ Somaiya College of Engineering, Mumbai, MH, India **July 2014 – May 2018**
Bachelor of Technology in Computer Engineering *CGPA: 9/10*

Relevant Coursework: Machine Learning, Object-Oriented Programming, Database Management Systems, Data Structures, Algorithms, Big Data Analytics, 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, Stony Brook, NY **August 2021 – December 2021**
Teaching Assistant

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

Jio Platforms Limited, Mumbai, MH, India **July 2018 – July 2021**
Data Scientist

- 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) [\[Link\]](#) **October 2021 – December 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) [\[Link\]](#) **October 2021 – December 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) **July 2017 – March 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) June 2021
- Deep Learning Specialization (deeplearning.ai / Coursera) June 2020
- Python for Everybody Specialization (University of Michigan / Coursera) August 2018