JIMIT PRASHANT DHOLAKIA

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EDUCATION

Stony Brook University, Stony Brook, NY   **Dec. 2022 (Expected)**

Master of Science in Computer Science

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

KJ Somaiya College of Engineering, Mumbai, MH, India   **May 2018**

Bachelor of Technology in Computer Engineering   CGPA: 9/10

Relevant Coursework: Machine Learning & Fuzzy Systems, Object-Oriented Programming Methodology, Database Management Systems, Applied Mathematics, Data Structures, Algorithms, Operating Systems

SKILLS

Python, Data Science, Machine Learning, Deep Learning, MongoDB, SQL, Flask, Git, Docker, Linux, Agile Methodologies

WORK EXPERIENCE

Stony Brook University, Stony Brook, NY   **Aug. 2021 – Present**

Teaching Assistant

- Conducting weekly office hours and grading Python assignments for the course "IAE-101 Digital Intelligence"

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

Data Scientist

- Designed and developed scalable Machine Learning and Software-driven solutions for varied business and functional domains, thereby increasing the efficiency of the systems, and improving the user experience
- Successfully delivered projects involving technologies such as ML, NLP, and CV into the production environment
- Worked with the Product Managers and end-users to deliver the solutions optimally using Agile Methodologies and DevOps; along with guiding and mentoring various interns and team members
- Awarded with the R-Sammaan Recognition Awards by multiple senior leaders of Reliance Industries Ltd. for delivering excellent results and implementing projects that solve complex business use-cases

KEY PROJECTS

Document Validation System (Jio Platforms Limited)   **Oct. 2020 – April 2021**

- Developed a system to automatically validate the fields from various customer and vendor documents
- Reduced the efforts required by Master Data Teams from approximately 15 mins to 2 mins for validation
- Tech Used: Python, Apache Kafka, Optical Character Recognition, Fuzzy String Matching, OpenCV

MMCS Material De-duplication (Jio Platforms Limited)   **Sep. 2020 – June 2021**

- Architected and devised an algorithm to find potential duplicates from Material Master Data to mitigate the risk of parallel procurement of materials and deployed using Azure DevOps and Kubernetes
- Reduces ~50% efforts for searching duplicate materials and is estimated to have 10-40% cost savings

Intelligent Incident Management System (Jio Platforms Limited)   **Nov. 2019 – May 2020**

- Implemented a search engine for resolutions of past incidents using NLP and cosine similarity; used gensim embeddings to implement auto-correction of query text and achieved an average response time of 20ms
- Developed a Machine Learning model to predict the platform and track of the incident to auto-categorize future incidents and created a web service for the same using Flask-RESTPlus

MRO Quantity Prediction (Jio Platforms Limited)   **Oct. 2018 – Aug. 2019**

- Built Machine Learning models to predict the quantity of materials required at various RIL manufacturing sites
- Achieved accuracy of 90% for more than 95% materials by performing feature engineering & hyperparameter tuning

Personalized Web Search based on User Profiling (KJ Somaiya College of Engineering)   **July 2017 – March 2018**

- Built Dynamically extracted and preprocessed data from the browsing history
- Topic Modelling using Latent Semantic Indexing (LSI) and word2vec models, dynamically created Hierarchical clusters of extracted documents relevant to the input query to re-rank the Search Engine Results Page for personalized search

CERTIFICATIONS

- Jio Certified Cloud Computing Practitioner (Jio Platforms Limited)   June 2021 – June 2022
- Deep Learning Specialization (deeplearning.ai / Coursera)   June 2020
- Python for Everybody Specialization (University of Michigan / Coursera)   Aug. 2018

PUBLICATION

Mining User's Browsing History to Personalize Web Search, 2018 ICICCT, pp. 1209-1215, IEEE. [Link]