JIMIT PRASHANT DHOLAKIA

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EDUCATION

Stony Brook University, Stony Brook, NY   **December 2022 (Expected)**
Master of Science in Computer Science   *GPA: NA/4*
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, 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, MongoDB, SQL, Flask, Git, Docker, Linux, Agile Methodologies, Design Thinking, Leadership, Teamwork, Problem Solving, Effective Communication, Public Speaking

WORK EXPERIENCE

Stony Brook University, Stony Brook, NY   **August 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 business systems, and improving the user experience
- Successfully delivered projects involving technologies such as ML, NLP, and CV into the production environment
- Worked with Product Managers & end-users to deliver the solutions optimally using Agile Methodologies and DevOps
- Guided and mentored various interns and team members to upskill them in Python and Data Science
- Awarded with the R-Sammaan Recognition Awards by multiple senior leaders of Reliance Industries Ltd. for delivering optimal results and implementing projects that solve complex business use-cases

KEY PROJECTS

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

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

MMCS Material De-duplication (Jio Platforms Limited)   **September 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, Docker, and Kubernetes using CI/CD pipelines
- Reduced ~50% efforts of MDM users for searching duplicate materials and is estimated to have 10-40% cost savings

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

- Implemented a search engine for resolutions of past incidents using NLP and cosine similarity; used genism word embeddings to implement auto-correction of query text and achieved an average response time of 20 milliseconds
- Developed a Machine Learning model to predict the platform and track of the incident to auto-categorize future incidents raised by users and created a web service using Python by following micro-service architecture

MRO Quantity Prediction (Jio Platforms Limited)   **October 2018 – August 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% of materials by performing feature engineering & hyperparameter tuning

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

- Implemented Topic Modelling using Latent Semantic Indexing (LSI) and word2vec models; dynamically created hierarchical clusters of browsing history to re-rank the Search Engine Results Page for more personalized search results

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)   August 2018

PUBLICATION

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