

# 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 designing and implementing projects that solve complex business use-cases and delivering optimal results

## 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 for validation of document by Master Data Management Teams from 15 mins to 2 mins
- Used Python, OCR, Fuzzy String Matching, OpenCV and Kafka for the implementation & deployment of the system

**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; deployed the service using Azure DevOps, Docker and Kubernetes
- 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 using NLP and cosine similarity to search for resolutions of past incidents; used genism word embeddings to implement auto-correction of query text and achieved a mean 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 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. [\[Link\]](#)