

JIMIT PRASHANT DHOLAKIA

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EDUCATION

Stony Brook University, Stony Brook, NY

Aug 2021 – Dec 2022 (Expected)

Master of Science in Computer Science

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

KJ Somaiya College of Engineering, Mumbai, MH, India

Jul 2014 – 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

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

Jul 2018 – Jul 2021

Data Scientist

- Designing and developing 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
- Working 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-Samman Recognition Awards by multiple senior leaders of Reliance Industries Ltd. for delivering excellent results and implementing projects that solve complex business use-cases

SKILLS

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

PROJECTS

Document Validation System

- 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

- 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

- 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 web service for the same using Flask-RESTPlus

MRO Quantity Prediction

- 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

CERTIFICATIONS

- Deep Learning Specialization ([deeplearning.ai](https://www.coursera.org/learn/deep-learning-specialization) / Coursera)
- Python for Everybody Specialization (University of Michigan / Coursera)
- Jio Certified Cloud Computing Practitioner (Jio Platforms Limited)

PUBLICATION

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