

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 various 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
- 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
- Successfully delivered projects involving technologies such as ML, NLP, and CV into the production environment
- 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 the same 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. [\[Link\]](#)