Jimit Dholakia

jdholakia@cs.stonybrook.edu | linkedin.com/in/jimit105 | git.io/jimit105 | jimit105.medium.com

Work Experience

Software Development Engineer   **Feb 2023 – Present**
Amazon Web Services   Seattle, WA

- Spearheaded the development of business-critical features for AWS AppFabric, architecting APIs and implementing robust solutions for security, productivity, and user session management
- Designed and implemented a scalable feature enablement system, streamlining the introduction and management of new AppFabric features across the entire product suite
- Contributed to public-facing AWS documentation, ensuring clear and accurate information for customers, showcasing strong technical writing skills
- Actively participated in on-call rotations, quickly resolving production issues and improving system reliability

Software Development Engineer Intern   **May 2022 – Aug 2022**
Amazon Web Services   Seattle, WA

- Pioneered a cross-application search prototype leveraging AWS, React, Python, and RESTful APIs, demonstrating full-stack proficiency and delivering an innovative solution to improve multi-platform information access and enhance user experience

Senior Research Project Aide   **Mar 2022 – May 2022**
SUNY RF (Dept. of Biomedical Informatics, Stony Brook University)   Stony Brook, NY

- Leveraged advanced NLP techniques, including weak labeling with spaCy, BERT-based negation classification, and zero-shot text classification, to efficiently extract insights from clinical data

Data Scientist   **Jul 2018 – Jul 2021**
Jio Platforms, a subsidiary of Reliance Industries Ltd.   Mumbai, India

- Automated KYC document validation for over 5,000 daily documents, slashing processing time by 87% through the development of a robust Python-based solution integrating OpenCV, OCR, Fuzzy String Matching, and Kafka
- Devised an innovative duplicate detection algorithm for Material Master Data, delivering substantial cost savings of 10-40% and reducing user effort by 50%, showcasing strong problem-solving and analytical skills
- Engineered a high-performance Machine Learning-based MRO prediction model with 90% accuracy for 95% of materials, enhancing decision-making and operational efficiency
- Optimized medication search through the integration of NLP and Trie data structures, reducing response time to blazing-fast 30 milliseconds, providing a seamless user experience

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript
AWS Services: DynamoDB, S3, Lambda, ECS, SNS, SQS, EventBridge Pipes, Secrets Manager, IAM, Cognito, KMS, CloudFormation, Bedrock, X-Ray, CloudWatch
Architecture & Design: Microservices, Event-driven Architecture, API Development, Infrastructure as Code

Education

Master of Science in Computer Science | GPA: 3.7/4.0   **Dec 2022**
Stony Brook University   Stony Brook, NY

Bachelor of Technology in Computer Engineering | CGPA: 9/10   **May 2018**
KJ Somaiya College of Engineering   Mumbai, India

Certifications

- AWS Certified Cloud Practitioner (Badge)
- Oracle Cloud Infrastructure Generative AI Certified Professional (Badge)