

Rohith Danti

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EDUCATION

Arizona State University | *Master's in Computer Science (GPA: 4.0/4.0)*

Aug 2023 - May 2025

Coursework: Foundations of Algorithm, Data Processing at Scale, Cloud Computing, Foundation of Software Engineering.

Nitte Meenakshi Institute of Technology | *Bachelor's in Information Science (GPA: 8.75/10)*

Aug 2016 - Sept 2020

Coursework: Data Structures and Algorithms, Database Management, Fundamentals of Python, OOP using C++ and Java.

EXPERIENCE

Commvault

May 2024 – August 2024

Software Engineer Intern

Tinton Falls, New jersey

- Developed and deployed an automated anomaly detection system using statistical models (2-sigma rule) on Azure Synapse Analytics, analyzing over 30,000 daily transactions to identify unauthorized data deletions.
- Engineered a scalable daily pipeline to process terabytes of data from Azure Storage Accounts, converting complex JSON logs to CSV, significantly reducing anomaly detection response times and operational overhead.
- Leveraged Python and Kusto Query Language (KQL) to automate data retrieval, processing, and statistical analysis, enhancing detection accuracy and ensuring proactive monitoring of suspicious activities.
- Created visualization dashboards using Azure Log Analytics to track transaction patterns, enabling rapid identification of anomalies such as unusual IP activities and irregular transaction spikes.
- Collaborated with the SaaS Engineering team to integrate the anomaly detection solution into Commvault's Metallic platform, enhancing cyber resilience and data security for over 150 enterprise customers.

Accenture

November 2020 - July 2023

Senior Software Engineer

Bangalore, India

- Led end-to-end development of a scalable, distributed, and fault-tolerant sales cloud platform for Disney's Ad Sales, enhancing cross-functional collaboration and ensuring high availability and system efficiency.
- Developed custom UI/UX solutions using Lightning Components, Java, JavaScript, and SQL, optimizing user experience and increasing advertiser engagement and revenue growth per customer by \$17,000.
- Optimized and restructured Apex test classes, increasing code coverage from 75% to 92%, boosting system reliability.
- Automated deployment workflows and led 25+ production releases using Copado, ANT, Change Sets, and Workbench, ensuring seamless integration and system stability.

PROJECTS

Performance Evaluation of HPC Application in Containerized and Virtualized Environment

Research Paper

- Evaluated Apache Cassandra performance on Docker vs. VMware using Kubernetes, TLP-Stress, and Metric Server
- Automated deployment and monitoring using Kubernetes pods, Metric Server, and Minikube for efficient testing.

AWS Cloud Facial Recognition App

- Built a face recognition application on AWS leveraging EC2, S3 & SQS, featuring an elastic, multi-layered architecture.
- Created a serverless video analysis pipeline on AWS Lambda and S3, with a custom auto-scaling algorithm, processing 1000 video clips in under 3 minutes by utilizing a ResNet-based deep learning model.

Richter's Predictor – Earthquake Damage Prediction Using Machine Learning

- Predicted building damage levels from the 2015 Nepal Earthquake using machine learning models such as Random Forests, XGBoost, and Neural Networks, KNN algorithm.
- Improved accuracy using an ensembling technique & optimizing feature engineering for dataset of 347,469 instances.

Analysis of Arizona Nightlife Businesses using Yelp Dataset

- Built a scalable data pipeline using Hadoop, Spark, and PySpark to transform Yelp JSON data into Parquet files for distributed processing over terabyte-scale datasets.
- Analyzed 37,000+ user profiles to find patterns, review trends, engagement drivers for strategic business targeting.

SKILLS

Languages: Java, C++, Python, Go, JavaScript, C, Bash, SQL, HTML, R.

Frameworks and Libraries: React, Spring Boot, Node.js, Pandas, PyTorch, Selenium, Junit.

Tools: AWS, Azure, Kubernetes, Docker, CI/CD, Postman, Git, REST API, SOAP API, MySQL, PostgreSQL, NoSQL.