SAI MANOJ KONIDANA
Software Development Engineer (2 YOE)

Richardson, TX • saimanojkonidana462@gmail.com • (469)861-9495 • LinkedIn • Github • Leetcode

WORK EXPERIENCE:

Copart, Software Development Engineer – Test Automation, USA   **January 2025 - Present**
- Worked as a Full-time Co-op between February 2024 – December 2024.
- Implemented, automated and tested APIs/service endpoints (REST) using Java/spring frameworks at Copart's yards team.
- Developed and maintained automation frameworks using Java and MockMVC, reducing manual testing effort by 30% and accelerating release cycles by improving test execution time by 15%.
- Developed scalable SQL scripts for data injection, database management and querying, working with PostgreSQL in both real-time and runtime-only container(docker) environments reducing data migration time by 30%.
- Utilized Redis for session management, enabling faster user authentication.
- Developed Service Integration Test frameworks throughout web applications, ensuring 40% bug identification before UAT Delivery..
- Well Versed in CI/CD pipelines, build/deployment tools (Jenkins, SonarQube) and monitoring (Splunk).

Cognizant/Intuit, Software Development Engineer-Full Stack, India   **July 2021 – December 2022**
- Programmed and Optimized Java-Spring based financial Microservices application for Intuit's Integrated Online Banking Platform(Mint) as a web developer/A-grade projects associate.
- Replicated 100+ banking web application interfaces on Intuit's Mint platform with Web Scraping.
- Worked as a Production Engineer monitoring deployed servers across the globe and implementing immediate fixes in cases of real-time outages/maintenance periods.
- Designed and Implemented Various Multi-Factor Authentication mechanisms that support OTP, Authenticator Apps, Push Notifications.
- Improved database access and query performance by 15% by implementing Hibernate ORM.

UST Global Inc, Deep learning Intern, India   **June 2020 – August 2020**
- Built classical Generative Adversarial Networks to generate synthetic images, increasing the amount of training data by 120% for classification models in a COVID-19 Use case.

RESEARCH EXPERIENCE:
- Presented the research article IoT based Smart Medicine Reminder kit on ACM/CSI/IEEECS Research & Industry Symposium.
- Preprocessed and Labelled Image datasets as a contributor to the paper Hyper Evidential Deep Learning to Quantify Composite Classification Uncertainty at Pattern Discovery and Machine Learning Lab, UT Dallas.

EDUCATION:
The University of Texas at Dallas, USA   **January 2023 - December 2024**
Master of Science: Computer Science - Intelligent Systems, Machine Learning, AI, Natural Language Processing.
GPA: 3.6/4.0

Indian Institute of Information Technology Kottayam, India   **August 2017 – May 2021**
Bachelor of Science (Honors): Computer Science and Engineering - Distributed and Parallel Systems, Software Engineering.
GPA: 8.35/10.0

ACADEMIC PROJECTS:
Honors Research project (Thesis) on Voice-enabled Hands-free programming, IIIT Kottayam   **January 2020 – April 2021**
- Thesis on voice command centered accessibility system with R-Convolutional Neural Network that interprets User commands and perform computational operations like Navigation/speech-to-text/programming, extending computational access to people with disabilities/motor syndromes.

URL Shortener Service
- Developed a scalable URL shortener service using Spring to distribute shortened URLs across concurrent servers. Includes Rate Limiting and Consistent Hashing to handle server management across distributed cache servers.

Light-weight encryption for resource constrained/portable devices
- Devised a Hybrid light-weight encryption algorithm in **C++**, for devices with limited resources like power, storage, network etc, countering encryption overhead through techniques like self-encryption of the data and minimizing the encryption cycles to reduce battery consumption.

CORE COMPETENCIES / SKILLS:
- **Programming Languages:** Java – Spring, C++, Python – TensorFlow.
- **System Design**: API Design, Microservices, Database Sharding, Caching, Consistent Hashing, Authentication/Authorization etc.
- **Web Development Stack:** JavaScript(NodeJS, ExpressJS, ReactJS) and PostgreSQL, MySQL.
- **Other Skills/Tools**: AWS, REST/gRPC, Redis, Postman, UNIX/Shell, Git, Docker
- **Certifications/Links:** AWS Certified Cloud Practitioner (CCP-CLF-C02), System Design Repository.