AADIT KAMAT

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Education

University of Florida	**January 2023 - December 2024**
Master of Science in Information Systems and Operations Management	*Gainesville, FL*
National University of Singapore	**August 2017 - June 2021**
Bachelor of Computing in Computer Science	*Singapore, SG*

Skills

Programming Languages: Java, JavaScript/TypeScript, Python, HTML/CSS, R, SQL
Development Frameworks & Libraries: Tailwind, Expo, React Native, React, Node, Express
Testing & Automation: JUnit, Espresso, UiAutomator, PyTest, Jenkins
DevOps & Cloud Platforms: Docker, Nginx, Firebase, Heroku, Google Cloud Platform (Vertex AI, Cloud Functions), GitHub
Databases: MongoDB, PostgreSQL
Business Tools: Figma, AWS Cloud, Power Apps, Power Automate, Jira, Confluence

Experience

Florida Community Innovation (FCI)	**April 2025 – Present**
Lead Software Engineer	*Gainesville, FL*

- Collaborating closely with engineers, UI/UX designers and business stakeholders to build a mobile application using **Expo and React Native** aimed at empowering residents in Miami-Dade County with knowledge about effective recycling practices and drop off locations
- Defining, designing, and shipping new features—such as **Computer Vision to identify recycling materials** and **a Large Language Model powered chatbot to answer sustainability questions** — while maintaining app performance and quality

University of Florida, Department of Biomedical Engineering	**February 2024 – May 2024**
Graduate Research Assistant	*Gainesville, FL*

- Collaborated with Dr. Xiao Fan on a research project investigating correlations between pathogens and gene variant properties such as protein solubility and polarity
- Utilized **Biostats in Python** to extract important features from genetic mutants and UF's **HiPerGator HPC** cluster to run Variant Effect Predictor (VEP) pipelines processing large scale genomic datasets obtained from NCBI databases

Visa Worldwide Pte Ltd	**March 2022 – September 2022**
Software Engineer	*Singapore, SG*

- Developed and iterated a PoC for a scalable financial services solutions based on a microservices architecture with **Spring Boot (Java)**, processing over 100,000 financial transactions per second
- Redesigned and developed dynamic web pages for the Singapore Innovation Centre (IC) portal using **Next.js**, cutting annual costs by $25,000 and saving 80 hours of manual work per quarter

Shopee Singapore Pte Ltd	**May 2021 – March 2022**
Automation Quality Assurance Engineer	*Singapore, SG*

- Developed and maintained over 100 automated test cases for the promotion modules within Shopee's Android app using **Java based test automation frameworks like Espresso, UiAutomator and JUnit** to enhance the experience for over 2.8 million users
- Investigated the root cause of data quality issues in containerized Golang environments and proposed corrective actions

Projects

DSSD LEAP Dashboard | *React, Redux, D3.js, Tailwind*	**February 2025 - April 2025**

Manged full-stack development of a dashboard tracking energy efficiency KPIs, enabling data-driven insights via interactive visuals and RESTful API

Automating Client Feedback Mechanism | *Salesforce, Power Automate, Mogli*	**January 2024 - April 2024**

Integrated patient data with WeCareJax's centralized Salesforce dashboard via Microsoft Power Apps for real-time KPI monitoring

Certifications

AWS Certified Cloud Practitioner, Databricks Fundamental Accreditation, End-to-End Data Engineering Project