

AADIT KAMAT

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🌐 <https://github.com/aaditkamat>

Education

University of Florida

Master of Science in Information Systems and Operations Management

Jan 2023 - Dec 2024

Gainesville, FL

National University of Singapore

Bachelor of Computing in Computer Science

Aug 2017 - Jun 2021

Singapore

Work Experience

HappySneeze

Market Research Analyst

Apr 2024 - Present

Singapore

- Conducted secondary research to analyze the market size, structure, and trends in integrative women's health, enabling the company to tailor its marketing strategies effectively
- Developed a competitive landscape map highlighting key players in the urogynecology sector, detailing their offerings, strengths, and weaknesses to inform strategic decision-making
- Identified 3 potential partners and developed an outreach strategy to engage them in initial discussions, leading to new business collaborations

Visa

Full Stack Software Engineer

Mar 2022 - Sep 2022

Singapore

- Automated data feed to the mobile apps used for demonstrating Visa financial solutions to global client stakeholders through EAP, reducing annual costs by \$25,000 and saving 20 hours/quarter of manual effort for Innovation Centre (IC) developers
- Implemented functional unit tests and ensured compliance with user accessibility requirements for portal initially rolled out to 20-30 developers in IC teams in North America and EMEA
- Developed and documented RESTful APIs with unit tests for Account Based Payment microservices rolled out to over 100,000 users through major Indian banks, handling over 100 transactions per second

Shopee

Automation Quality Assurance Engineer

May 2021 - Mar 2022

Singapore

- Developed and maintained over 100 test cases for Promotion modules, enhancing user experience for over 1 million customers
- Collaborated with 10 QA Engineers from other departments to improvise syllabus to train 50 new QA engineers in test automation skills
- Adopted a systematic testing approach to reduce number of failed and flaky test cases by 25%

Skills

- **Programming Languages:** Python, Java, JavaScript, R
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Libraries & Frameworks:** React, Next.js, Jest, Bootstrap, TailwindCSS, ChakraUI, Astro, Spring Boot, JUnit, UiAutomator, Flask, Pandas, Numpy, Matplotlib, Seaborn
- **Tools:** VSCode, PyCharm, IntelliJ, Docker, GitHub, Netlify, Jupyter Notebook, Jenkins

Projects

BlueShield

- Executing market research on Major Depressive Disorders and Treatment Resistant Major Depressive Disorders by reviewing clinical literature to inform strategic decision making
- Delivering detailed market analysis and competitor overview to provide clients with insights on business opportunities

Apr 2024 - May 2024

Fan Lab, University of Florida

- Extracted 2M+ genetic variants from NIH database, using HPC cluster to run batch jobs for transforming, annotating, and loading data for analysis
- Studying association between variant pathogenicity and protein properties using regression techniques

Feb 2024 - Apr 2024

Revenue Management Solutions

- Performed exploratory analysis on over 6 thousand records to establish relationships between different key metrics such as sales, advertising, and promotion for restaurant franchisees
- Executed time series decomposition of financial data to determine ideal benchmarking period for mean analysis
- Leveraged Data Envelopment Analysis (DEA) algorithm to benchmark efficiency based on costs and sales, enabling stakeholders to identify underperforming restaurants and enhancing decision making to increase profit margins

May 2023 - Aug 2023