KEVIN SAJI

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EDUCATION

Singapore Management University (SMU) — **Singapore**
Bachelor of Science (Computer Science) — **2022 - 2026**
- 1st Major in IT Solution Development (Artificial Intelligence Track)
- 2nd Major in Technology for Business Solutions (Product Development Track)
- Vice-Captain, SMU Floorball Men's Team
- Co-Leader, Project Floorish 2 Community Service Programme
- Marketing Director, ExploreSCIS 2023
- HashTech Hackathon 2023 - 1st Place

Raffles Institution — **Singapore**
Singapore-Cambridge GCE 'A' Level Certificate — **2018 - 2019**
- 2018 & 2019 National School Games 'A' Division (Hockey) - 1st Place
- 2017 Asian Schools U-18 Hockey Championships - 3rd Place

CERTIFICATIONS

AWS Certified Solutions Architect - Associate (SAA-C03)
Data Analytics Professional Certificate by Google on Coursera
IT Automation with Python Professional Certificate by Google on Coursera

ADDITIONAL INFORMATION

Languages: C | Java |Python | SQL
Frameworks & Libraries: React.js | React Native | Vue.js | Java Spring Boot | Flask | Tensorflow | Numpy | Pandas
Databases & Cloud: Firebase | Supabase | MySQL | AWS
Tools: Git | Docker | Kubernetes | RabbitMQ | Microsoft Office Suite | Figma | Tableau | REST API | Telegram API

EXPERIENCE

Truly Community — **Singapore**
Web Developer — **2024 - 2024**
- Designed and developed a Telegram Mini App for anonymous direct messaging utilising Python, Vue.js and Supabase
- Developed the app for the SMU Confess platform for anonymous interactions between over 2000+ students

Singapore Management University — **Singapore**
Teaching Assistant (IS112 Data Management) — **2024 - 2024**
- Course covered concepts in data management, database modeling, and logical design, progressing to advanced SQL operations
- Mentored 45 students and managed class administration and software set up, offering academic guidance to those in need

IT Solution Architecture (CS301) - CRM System — **Singapore Management University**
Team Member — **2024 - 2024**
- Devised a resilient multi-region CRM system by implementing disaster recovery and high availability leveraging AWS ECS, RDS, and CloudFront with cross-region failover mechanisms to ensure minimal downtime and seamless client interactions during outages
- Leveraged ElastiCache for caching, SQS for asynchronous processing, and ECS auto-scaling, achieving fast response times under high traffic
- Created a role-based access control system leveraging OAuth 2.0 and AWS Cognito, employing tokens for secure user authentication
- Developed user-friendly interfaces using React.js for admin and agents, ensuring seamless interaction with AWS-powered backend services

IT Solution Lifecycle Management (CS302) - Animeet — **Singapore Management University**
Team Member — **2024 - 2024**
- Built a microservices-based web application enabling users to form groups, join events, and make payments collaboratively
- Implemented composite services for key scenarios, using GraphQL as the API gateway
- Created a CI/CD pipeline automating static analysis, integration testing, release and deployment to a Kubernetes-based Minikube cluster
- Integrated RabbitMQ for asynchronous email notifications using AMQP and Stripe for secure payment processing

Natural Language Processing (CS425) - Mental Health Bot — **Singapore Management University**
Team Member — **2024 - 2024**
- Designed and implemented a Telegram-based chatbot with Flask, providing empathetic and contextually relevant mental health support
- Developed an emotion classification model using fine-tuned RoBERTa on the GoEmotions dataset, achieving 76.01% test accuracy
- Built a Retrieval-Augmented Generation (RAG) framework leveraging LlamaIndex and Zephyr-7b-beta to generate personalized and actionable mental health responses
- Evaluated chatbot effectiveness across 15 emotional scenarios, achieving high user intent detection accuracy and response quality