

# Saai Aravindh Raja

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## EDUCATION

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<b>Singapore Management University</b> <i>B.Sc. Computer Science (Artificial Intelligence &amp; Software Systems)</i>	Aug 2024 – Present Singapore
<ul style="list-style-type: none"><li>• <b>Honors:</b> Science &amp; Technology Undergraduate Scholarship   SMU Excellence in Student Life Bronze Award</li><li>• <b>Campus Leadership:</b> Technology Director (Legal Innovation &amp; Tech), Developer (Blockchain), Partnerships Lead (AI), PR Deputy Director (FinTech), Operations Deputy (SMUSA), DHCP (Hack), Organizing Committee &amp; Arbiter (Chess)</li><li>• <b>Teaching Assistant:</b> MSc Wealth Management (Client Book Building), PhD (Operations Management)</li><li>• <b>Certifications:</b> 9 Google Specializations (AI, Data, Cybersecurity, etc.), 3 IBM Specializations (AI, DevOps, Cloud)</li><li>• <b>Roles:</b> Asia-Pacific Certified Instructor, Perplexity Campus Expert, Postman Student Expert, Google Dev Group Member</li></ul>	

## EXPERIENCE

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<b>Backend Engineer Intern</b> <i>Resumify</i>	Feb 2026 – Present
<ul style="list-style-type: none"><li>• Architecting RESTful APIs, implementing security infrastructure, auth, cloud storage, and deployment pipelines</li></ul>	
<b>Project Management Intern</b> <i>FlowScape</i>	Jun 2025 – Nov 2025
<ul style="list-style-type: none"><li>• Supported consulting for AEC/EPC projects, applying discrete event simulation and lean construction principles</li></ul>	
<b>Software Development Intern</b> <i>Qoruz</i>	Jul 2024 – Dec 2024
<ul style="list-style-type: none"><li>• Contributed to feature development and bug resolution on a marketing intelligence platform indexing 25M+ profiles</li></ul>	
<b>Junior PHP Developer Intern</b> <i>Dream And Magic Media</i>	May 2023 – Dec 2023
<ul style="list-style-type: none"><li>• Developed and maintained PHP applications with MySQL backends, contributing to frontend and server-side features</li></ul>	
<b>Notion Consultant</b> <i>Self-Employed</i>	Jan 2023 – Jul 2024
<ul style="list-style-type: none"><li>• Independently served 30+ organizations globally, architecting 50+ templates for work automation and productivity</li></ul>	

## PROJECTS

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<b>Federated Learning Research Assistant</b>	<ul style="list-style-type: none"><li>• Researched privacy-preserving loan classification and evaluated model performance across decentralized nodes</li></ul>
<b>Freelance Software Engineer &amp; Open Source Contributor</b>	<ul style="list-style-type: none"><li>• Developed client-facing tools and web apps for Bhaggyam Constructions and MatsuMatcha</li><li>• Actively contributing bug fixes, tests, and features via 50+ PRs across Accomplish, Accord Project, Sugar Labs and more</li></ul>
<b>Startup Co-Founder</b>	<ul style="list-style-type: none"><li>• Building a platform to digitize renovation sourcing and project coordination for Singapore's real estate industry</li></ul>
<b>SpectraSense</b>   <i>Python, Flask, React, Vite, NumPy, scikit-learn, OpenCV, Matplotlib, Render</i>	<ul style="list-style-type: none"><li>• Built computer vision system estimating hemoglobin levels from lip coloration using a 9-algorithm ensemble model</li></ul>
<b>Aria</b>   <i>Chrome Extension (Manifest V3), JavaScript, Groq API, Vercel Serverless, Web Speech API, Chrome Storage API</i>	<ul style="list-style-type: none"><li>• Built AI accessibility extension with 3-agent system, WCAG 2.1 auditor, autonomous form filling, and cognitive analysis</li></ul>
<b>TariffSheriff</b>   <i>React, TypeScript, Java, Spring Boot, Spring Security, PostgreSQL, Flyway, AWS EC2, Docker, Nginx</i>	<ul style="list-style-type: none"><li>• Built and deployed full-stack platform for real-time tariff calculation, HS code lookup, and trade agreement analysis</li></ul>

## ACHIEVEMENTS

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<b>Awards:</b> AP Scholar with Distinction (College Board)   Academic Excellence AY22/23 & AY21/22 (Global Schools Group)
<b>Competitions:</b> 5x Winner Accomplish.ai   Top 10 Cactus x DeepMind SG   Top 10 iNTUition   Top 9 Manus   Winner SMU GCC 2025   Winner EDGE Competition   Winner Project Codegen   Top 8 PMI-SG   Top 30 Tech Series   4th Place SMUxSKKU
<b>Chess:</b> Arena FIDE Master (Int'l Chess Federation)   SG Inter-Varsity League Silver 2025, 4th 2026 (Undefeated Record)

## TECHNICAL SKILLS

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<b>Languages:</b> TypeScript, JavaScript, Python, Java, C++, PHP, SQL, Bash/Shell, HTML/CSS
<b>Frontend:</b> React, Next.js, Vite, TailwindCSS, Framer Motion, Shadcn/Radix UI, Zustand, TanStack Query, GSAP
<b>Backend:</b> REST APIs, Spring Boot, Node.js, Express.js, Spring Security, Spring Data JPA
<b>AI/ML &amp; Data:</b> NumPy, Pandas, Matplotlib, OpenCV, LangChain, Streamlit, PostgreSQL, MySQL, MongoDB, Supabase
<b>Cloud &amp; DevOps:</b> CI/CD, Docker, AWS (EC2, S3), Vercel, Render, GitHub Actions, Auth0, JWT, Nginx
<b>Tools:</b> Git, GitHub, Maven, JUnit, Swagger, Postman, Jupyter Notebook, XRPL, Jira, Linux, VS Code