

Jayan Subramanian

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Education

Bachelor of Technology in Computer Science - Artificial Intelligence Amrita Vishwa Vidyapeetham, Coimbatore	CGPA: 9.18 2023 - 2027
High School Kaumaram Shushila International Residential School, Coimbatore	AS & A Level: 93% 2021 - 2023
Secondary School Kaumaram Shushila International Residential School, Coimbatore	IGCSE: 95% 2019 - 2021

Experience

Frontend Developer , EasyEPFO – Bangalore	Jan 2024 – Jan 2025
• Configured DNS and deployed a Squarespace website for a client, ensuring zero downtime during launch for a site serving 5,000 monthly visitors and enabling scalable custom features that supported a 20% growth in the user base.	
• Integrated Zapier-based automation to send real-time appointment notifications via API and webhook workflows, reducing notification delivery time by 65% and improving operational efficiency by 35%.	
• Developed the frontend of a custom platform using React.js and led the complete migration from Squarespace to the new code-based system, resulting in 30% faster page load times via SSR and the ability to handle 3x more concurrent users.	

Achievements

2 nd Place – Ignite Leadership Summit (Business & Innovation Track)	Dec 19-21, 2024
8 th in India, Top 100 globally – GPN Capture The Flag (Team Qubitronix, by KITCTF)	Jun 21–22, 2025

Technical Skills

Programming Languages: Python, C/C++, JavaScript/TypeScript, SQL, Bash, PowerShell
AI & ML: PyTorch, TensorFlow/Keras, Scikit-Learn, HuggingFace, OpenCV, LangChain, Pinecone, MLFlow
Web Development: FastAPI, Node.js, Express.js, React.js, Next.js, Vue.js, Hugo, REST API, tRPC
Cloud & DevOps: Docker, Podman, OCI, GCP, Git, GitHub
Tools & Testing: Postman, Selenium, BeautifulSoup, Bun, Puppeteer

Projects

Pathway Analysis <i>FastAPI, PyTorch (GAT), Next.js, Overpass API</i>	Demo
Full-stack ML platform using Graph Attention Networks to predict cancer risk from multi-omics data with 96% accuracy, featuring real-time visualizations and secure APIs for healthcare insights on datasets comprising over 2,000 samples.	
Elenchus <i>Next.js, ADK, FastAPI, PydanticAI, Upstash Redis, NeonDB</i>	Website
Agentic Socratic tutoring system using a forest of specialist AI agents to guide learners through questions rather than answers, featuring misconception detection, adaptive difficulty, and personalized memory for improved learning outcomes.	
GameSiphon <i>Next.js, Supabase, PostgreSQL, tRPC, Pinecone</i>	Website
Scalable game discovery and distribution platform indexing over 1,500 games with real-time sync, advanced search, and personalized recommendations that increased user session times by 20% in testing.	
DocuMate <i>FastAPI, CrewAI, Next.js, ChromaDB, Langchain, HuggingFace, Appwrite</i>	Website
Multi-agent orchestration platform with adaptive retrieval architecture for context-grounded educational scaffolding and intelligent content generation, improving student quiz scores by 17% in pilot studies with 50 users.	

Extracurriculars

Public Relations - Design Team Lead	Jun 2024 - Jun 2025
Quizkrieg - Quiz Club	
Agentic AI Team - Engineer	May 2024 - Present
Intel IoT Club - AIoT Wing	

Certifications

Google Professional Certificate - Data Analytics	Aug 2023
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