

Srilakshman Karthikeyan

EDUCATION

2019-2023	Amity University, Dubai Bachelor of Technology in Computer Science Engineering
2019	Our Own Indian Highschool, Dubai Highschool Diploma

PROFESSIONAL EXPERIENCE

Dec 2023 – Current	Raen AI <ul style="list-style-type: none">Developed multiple AI-driven proof-of-concepts for clients, designing scalable backend and microservices architecture using Django, LangChain, and PostgreSQL.Worked as the primary full-stack developer on Ordo, a dental inventory and procurement platform, contributed to real-time stock tracking, supplier ordering flows, RBAC, and analytics dashboards using Django, Vue.js, and PostgreSQL, improving system reliability and user experience across clinics.Served as backend lead for Milo, a collaborative checklist and workflow management platform, implemented core backend modules such as recurring and scheduled tasks, permission controls, multi-workspace architecture, and a real-time notification system, ensuring reliable collaboration for distributed teams.Set up CI/CD pipelines using GitHub Actions, containerized deployments with Docker, and introduced standardized branch and PR workflows, ensuring consistent development practices across repositories.Managed multiple GitHub repos across projects, overseeing version control, release management, and code reviews to maintain performance and code quality
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PROJECTS AND DISSERTATIONS

April 2024	Online Portfolio with Personalized chatbot <ul style="list-style-type: none">Online Portfolio with Personalized chatbotBuilt the frontend using React.It was hosted on AWS EC2.Implemented RAG architecture using Langchain to retrieve data relevant to me. The LLM used was a locally hosted instance of llama3
Feb 2024	Blind Helmet <ul style="list-style-type: none">Built an AI powered helmet to aid the blind by performing functions such as object detection, facial recognition, text analysis.Has integration with LLMs for any user queries.Has a pulse sensor to call emergency services in case of medical emergencies
Dec 2023	Rescue Edge <ul style="list-style-type: none">Built an AI powered drone that can detect humans under rubble or debris in need of help.Built using YOLO Object detection model to make inferences.Drone is equipped with Pi to take pictures and send to server.Server makes inferences and sends it to an app for the emergency services to see.
Aug 2023	Smart Water Meter <ul style="list-style-type: none">Built a Smart Water meter to measure the daily water usage and send the usage reports to user.The device used a flow sensor to measure the water usage and Arduino to send the data to server. App was developed using React native.For the backend server, it was built using expressJs.And hosted it on AWS using EC2 and RDS.

CONTACT DETAILS

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Technical SKILLS

Programming languages:
Python, JavaScript, TypeScript, C#

Web & Backend Frameworks:
Django, Node.js, Express.js

Cloud & DevOps:
AWS (EC2, RDS, S3, Elastic Beanstalk),
GitHub Actions

Databases:
PostgreSQL, MySQL

ORM / Tooling:
Prisma, Git, Docker

Frontend & Mobile:
React, React Native, HTML, CSS

Other:
Unity, ML/AI (Langchain, OpenAI APIs)

HOBBIES

Video Games
Off roading
Leetcode

Interpersonal Skills

Good Communication Skills
Decision Making
Problem Solving