

# 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**
- 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

## PROJECTS AND DISSERTATIONS

- April 2024**      **Online Portfolio with Personalized chatbot**
- Online Portfolio with Personalized chatbot
  - Built 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**
- 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**
- 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**
- 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

E-mail: [srilakshman.k02@gmail.com](mailto:srilakshman.k02@gmail.com)  
Mob. No.: +971521351776  
GitHub: [github.com/Pokemankey](https://github.com/Pokemankey)

## 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