

Srilakshman Karthikeyan

EDUCATION

- 2020-2024** **Amity University, Dubai**
- Bachelors of Technology in Computer Science Engineering (expected 2024)
- 2020** **Our Own Indian Highschool, Dubai**
- Highschool Diploma

PROFESSIONAL EXPERIENCE

- Sept 2021 – Aug 2023** **GameVan Dubai**
- Assisted on site with hardware troubleshooting with different equipments
 - Gained experience with working with people from different fields, attending meetings and understanding client needs.

PROJECTS AND DISSERTATIONS

- April 2024** **Blind Helmet (On-going)**
- Built a digital portfolio to increase online presence with personalized chatbot to answer recruiter queries.
 - Built the frontend using React.
 - Was hosted on AWS EC2.
 - Implanted Rag architecture using Langchain to retrieve data relevant to me
 - The LLM used was a locally hosted instance of llama3
- Feb 2024** **Blind Helmet (On-going)**
- Built an AI powered helmet to aid the blind by performing functions such as object detection, facial recognition, text analysis.
 - Has integration with LLMs (such as gemini) for any user queries.
 - Has a pulse sensor to call emergency services in case of medical emergencies
- Feb 2024** **Rescue Edge (On-going)**
- Built an AI powered drone that can detect humans under rumble 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 sends it to an app for the emergency services to see.
- Dec 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.
- April 2023** **Sports and Equipment Management Mobile Application**
- Built a mobile application to rent out a business's equipment and sports facilities.
 - App was developed using React native.
 - For the backend server, It was built using expressJs.
 - And hosted it on AWS using EC2, RDS, and S3.
- April 2023** **Prediction using machine learning algorithms**
- A PBL where we implemented various machine learning algorithms to give predictions on the data given.
 - The dataset used was mobile phone specifications to predict the price of phones.



CONTACT DETAILS

E-mail: srilakshman.k02@gmail.com
Mob. No.: +971521351776

PERSONAL DETAILS

Nationality: Indian
Date of Birth: 29/Aug/2002

LANGUAGES

English: fluent
Tamil: fluent
Hindi: Beginner

COMPUTER SKILLS

Programming languages worked with:
C, C++, C#, Python, Java, JavaScript, R, MYSQL, HTML, CSS.

Framework / Tools worked with:

React, React Native, Express, Git, Unity, Android Studio, AWS

HOBBIES

Video Games
Off-roading
Reading

Interpersonal Skills

Good Communication Skills
Decision Making
Problem Solving