

Srihari Unnikrishnan

FULL STACK ENGINEER | CSE W/ SPEC. IN AI AND ML

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Objective.

Full Stack Engineer interested in designing and developing mobile and web applications and expanding them further using Artificial Intelligence and Machine Learning.

Experience.

Mobile Robotics Intern.

Addverb Technologies

July-August 2022

Skills/ Tools: Linux, Python, CMake, C++, Pandas

- Worked with C++ AI models for self-driving robots , using Detectron and Tensorflow APIs.
- Compiled C++ bindings for libraries from source using CMake and ran them on a remote Nvidia Jetson session through ssh.

Projects

Formula One App.

Skills/ Tools: React Native, Expo, Material UI, JavaScript, Git, Figma, React-Native-Elements

Formula One is a React Native app that tracks the Formula One Season and gives relevant information such as standings, race information and data beautifully and efficiently.

Relevant skills gained from the project: Axios, React.js with Expo React-Navigation for routing between pages, Web crawling using x-ray module, React-Native-Elements, Figma, pull-state module, an alternative for Redux

Research Work

1. Static Malware Detection using Explainable Artificial Intelligence (XAI) Deep Learning Models (Ongoing)

Professor Name: Dr. Appalaraju Muralidhar

Email Id: muralidhar.a@vit.ac.in

This research project seeks to explore the potential of using Explainable Artificial Intelligence (XAI) deep learning models for static malware detection. The goal is to develop a system that can detect malware in its static form (meaning without any dynamic execution) using XAI deep learning models. The research compares different deep learning architectures and evaluates their performance in terms of accuracy and interpretability. The dataset will consist of malicious and benign samples, labeled accordingly, and the model will be trained on this dataset to predict the class of a given sample.

Education.

Year	Study	Institute	Remarks
2021- Present	BTech in Computer Science and Engineering (w/ Specialization in Artificial Intelligence and Machine Learning)	Vellore Institute Of Technology, Chennai	
2020	Class XII	Apeejay School, NOIDA	Passed with Distinction. Vice-President of Confluence of Digital Experts(CODE) Junior Executive of Robotics Department(2016-2017)

Achievements.

1. Google Code-In Finalist (2018) For FOSSASIA Organization among 3124 participants.
 2. Rank 4 in National Cyber Olympiad(2017) Uttar Pradesh and Uttrakhand Zone.
 3. Vice-President of the Confluence of Digital Experts (CODE), Apeejay School NOIDA. Delhi-NCR's biggest IT Symposium.
 4. Have won and participated in multiple web design and competitive programming competitions.
 5. Have given multiple talks in PyDelhi and India Linux User Group -Delhi (ILUG-D) communities on Django, git and contributing to Open Source Technologies.
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