
V S ROHITH

rohithsingaravelu@gmail.com || +1 5204272425 || [LinkedIn](#) || [GitHub](#) || Tucson,USA

EDUCATION

- **MS in Information Science – 4.0 GPA** 2023 - 2025
University of Arizona ,Tucson , Arizona , United States
- **B. Tech (Computer Science Engineering) – 9.0 CGPA** 2019- 2023
Vellore Institute of Technology ,Vellore, Tamil Nadu, India

RESEARCH/PROJECTS

Real-Time Driver Attention Estimation Using Dash Cam Video Analysis(yet to be published). 2024

- The study introduces a real-time driver attention estimation system using dash cam video flow fields and deep learning. Combining CNN and LSTM architectures, it categorizes attention levels and triggers alerts. With 50.74% accuracy, it doubles random chance, enhancing safety. Future work suggests integrating appearance features for improvement.

Fine-tuning RoBERTa for Commonsense Validation and Explanation(NLP) 2024

- In this project, I fine-tuned a pre-trained language model, RoBERTa, for the SemEval-2020 task of commonsense validation and explanation. The system selects the most suitable explanation for nonsensical statements using a multiple-choice format. I implemented custom functions for data preprocessing and model fine-tuning, achieving reliable performance in evaluating human-like commonsense reasoning.

Literature review on Raspberry Pi (IEEE IOT Journal) – Impact Factor -11.043 2023

- Published an article in the esteemed IEEE Internet of Things Journal, providing a comprehensive review of the implementation of Raspberry Pi in addressing real-world problems. Conducted an extensive study on various Raspberry Pi variants and their alternatives. Presented key findings on the effectiveness of Raspberry Pi in tackling real-time challenges and recommended best practices for its application in IoT solutions

WORK EXPERIENCE

Myntra – Senior Software Developer Aug 23 – Aug 24

- Gained experience in software development and testing, including front-end and back-end services. Designed and developed user-friendly interfaces for web and mobile applications, ensuring seamless user experiences
- Demonstrated expertise in developing applications that are optimized for cloud environments, utilizing cutting-edge technologies to enhance performance and scalability

SKILLS

- **Research Intresets:** LSTM, Deep Neural Networks, OpenCV, Raspberry pi
- **Programming Languages:** Java, Python, C, C++,R, Kotlin, ReactJS
- **Database:** Azure, MYSQL
- **Familiar with:** Git, Full Stack, NodeJS, Raspberry Pi, Adobe Acrobat(UI/UX),NLP
- **Software Technology (Ide):** Eclipse, MS Office, Figma, Android Studio, Power-BI