Vignesh Aravindh B

He/Him

Personal info

✳ 18/09/2004

📞 +91 7200192134

✉ vignesharavindh72@gmail.com

Links

 /GitHub

 /Linkedin

</> /Profile

Skills

</> C++, C, Python, Bash, PHP, Javascript, MySQL

✏ LaTeX, HTML, CSS

A {MS, Libre, GSuite} Office, Adobe Acrobat

⚙ Linux(Ubuntu), Windows

💻 VS Code, Anaconda, Text Editors

🧰 ROS1 & 2

Hobbies

- Badminton
- Drawing
- Gaming

Education

Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram (Undergraduate Degree)

Chennai, TN, India   Nov 2022 – present

Degree: B.Tech. Computer Science and Engineering with Major in Artificial Intelligence

Current Grade: 9.11

Subjects of Interests: Statistics and Probability, Data Analytics, ROS

Projects

Arrow detection and classification

- Utilized OpenCV for contour detection and image processing tasks.
- Implemented a Support Vector Machine (SVM) for initial classification, achieving a testing accuracy of 60%-70%.
- Improved classification accuracy to over 90% by implementing EfficientNetB3, a CNN-based model using TensorFlow.
- Integrated developed models into a ROS1 package, showcasing proficiency in ROS.
- Currently working on bridging the model with ROS2 to ensure compatibility with the latest version of the Robot Operating System.

3D Profile Website (React, Tailwind CSS)

- Currently working on a 3D profile website project.
- Exploring and learning React for building dynamic user interfaces.
- Utilizing Tailwind CSS for efficient and responsive styling.
- Implementing 3D designs to enhance the visual appeal of the website.

Current Learnings

- Learning the mathematical base for Data Analytics and Learning the programming side of Data Science from Udemy course.
- Exploring ROS and Web Development

Achievements

MaRS Research Station, IIITDM (Software Team Member)

Chennai, TN, India

Been a part of the team that achieved 5Th rank globally in Australian Rover Challenge preliminary round - (Critical Design Review) and contributed as a part of software sub team in documentation process.

Vashisht, IIITDM

Got 3rd place in Bug Hunt Juniors Track in Vashisht Tech Fest