Aneesh Raskar

Pune, Maharashtra, India | aneeshraskar@gmail.com | +91-7666821785 | My Portfolio | Linkedin | Github

Education

Vellore Institute of Technology, Chennai, B.Tech in Computer Science with Specialization in AI and ML — Sept 2021 – Present
CGPA: 8.07

Mahatma Phule Junior College, Pune, HSC - Science — June 2019 – April 2021
Grade: 91.5%

Experience

AI ML Intern, WIT Solutions, Pune — Sept 2023 – Dec 2023

- Significantly contributed to a Diabetic Retinopathy project by engineering a high-performance Exception-V3 model, achieving a state-of-the-art 93% accuracy on the IDRiD dataset.
- This project elevated the sake of simplicity of the company by 15%

Member of Electrical Dept., Dreadnought Robotics - VITC, Chennai — Sept 2022 – Apr 2024

- Engineered and optimized 3+ autonomous robots, leading the team to secure top positions in 2 inter-college robotics competitions, showcasing exceptional innovation and technical prowess
- Contributed in the building of AUV which qualified 2nd in TAC Challenge - 2024, Norway

Publications

Advancing IoT Interoperability: Dynamic Protocol Translation through Machine Learning for Enhanced Communication Efficiency — July 2024

10.36948/ijfmr.2024.v06i04.24869

Neeta Lokhande, Rajendra Agrawal, ***Aneesh Raskar***

Waste Management Optimization Using Reinforcement Learning Algorithm — May 2024

Journal of Innovations in Data Science and Big Data Management, 3(2), 1–10.

Neeta Lokhande, ***Aneesh Raskar***

Projects

Computational Offloading using Deep Learning — Live

- Optimize process distribution by conducting a comprehensive analysis of workload characteristics, resource utilization, and network bandwidth constraints to maximize system efficiency and performance.
- Tools Used: Python, TensorFlow

Real-Time Crime Detection Using Deep Learning — GitHub

- Designed a deep neural network utilizing Long Short-Term Memory architecture to effectively recognize and classify criminal activities within CCTV video streams, achieving a precision score of 87% and recall rate of 84%.
- Tools Used: Python, TensorFlow, Keras, Open-CV

Energy-Efficient Smart Irrigation System — GitHub

- Engineered an advanced IoT irrigation solution leveraging real-time sensor data and decision tree algorithms, achieving water conservation and optimizing crop yield significantly improving agricultural efficiency by 89%.
- Tools Used: Python, SciKit-Learn, Arduino, Blynk

Technologies

Languages: C++, C, Java, Python, MongoDB, SQL, JavaScript, Node,js, React.js, Flask, HTML, CSS

Softwares: Keras, TensorFlow, PyTorch, Open-CV, SciKit-Learn, Arduino, Git, GitHub