Prajwal P

BE - 3rd Year

prajwalaryaofficial@gmail.com

9480382738

Mangalore

prajwal02arya.live

linkedin.com/in/prajwal02arya

github.com/arya24x7

EDUCATION

Computer Science Engineering-AI & ML
Sahyadri College of Engineering and Management
Mangalore,Karnataka

12th Board
Ambika PU college
Puttur,Karnataka

10th Board
Sudana High School
Puttur,Karnataka

EXPERIENCES

Team Captain
Team Challlengers,Sahyadri
02/2021 - Present *Mangalore*
Achievements/Tasks
- Experienced team captain with proven leadership and technical skills.
- Effective workshop conductor and published author in robotics research with a demonstrated ability to communicate complex ideas to diverse audiences.

Research Intern
Centre of System Designs,NITK
02/2022 - Present *Surathkal*
Achievements/Tasks
- Conducted research focusing on virtual reality and machine learning.
- Contributed to ongoing research projects in these areas by conducting literature reviews, developing research proposals, and assisting with data collection and analysis, gaining valuable experience in cutting-edge technologies.

EXTRA-CURRICULAR

Aerophilia-2022,National Level Technical Fest
Event Co-ordinator

Git.Set.Go, Hands-on GitHub workshop
Resource Person

SKILLS

Python | CPP/C | OpenCV | SQL | JAVA | JavaScript | ReactJS | NodeJS | Firebase | Git | TensorFlow | Arduino | ROS | Flutter | Raspberry Pi | Unreal Engine

PROJECTS

Autonomous Warehouse Bot
- Developed and implemented a centralized warehouse autonomous bot control system, optimizing inventory management by reducing cost by 20%.

Mycroft based home automation
- Designed and built a home automation system using the Mycroft platform, integrating voice-controlled features for enhanced user experience.

Smart shopping Solution
- Created a self-checkout smart shopping cart, streamlining the shopping experience and improving efficiency for customers and retailers.

BacLens
- Utilized a deep learning algorithm for bacteria detection, enabling accurate and timely identification of bacterial strains for various applications.

AMAR
- Developed a ROS-based autonomous bot, equipped with advanced navigation and mapping capabilities, for improved productivity in industrial environments.

Covi-Net
- Implemented a deep learning model for COVID-19 infection detection that achieved a 96% accuracy rate in identifying infected individuals .

DairyDay
- Created a dairy farm management system using SQL and Java, enabling efficient management of dairy farm operations.

VR Based Sight correction
- Developed a novel approach for screen calibration using virtual reality headsets, optimizing screen settings based on the user's eyesight for improved visual experience.

Neural assistant manager project
- Utilizing Emotiv for processing neural signals, developed an assistant manager tool with enhanced cognitive capabilities.