

AJIN K J

Mechatronics Engineer

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OBJECTIVE

Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

SKILLS

- PLC Programming.
- Python, C, C++, Java.
- IoT, ML & Automation.
- Django, MySql, Bootstrap.
- Object-Oriented Programming.
- Mathematical & Analytical skills.
- Team Management, Adaptability.
- Leadership, Communication.
- Logical reasoning, Managerial Skills.
- Critical thinking, Problem Solving.

PROJECTS

GreenMetrica Mobile Application

Feb 2024

- Developed a mobile application which could track the user carbon emission based on daily activities.
- The emission data is given to an AI model which will analyze the data and give the user daily habits to follow, which will help reduce carbon emission.
- The Application was built with flutter and firebase as storage.

Water Body Waste Collector

May 2023

- Developed a water body waste collector, hardware & software setup which could automate existing manual ones.
- Developed a machine learning model which could identify plastic waste in water bodies through machine vision.
- Based on waste identification the setup could actuate movement of robot and collect waste. Manual remote controlled operation is also possible.

Customer Assistance Smart Cart

Aug 2022

- Developed a shopping cart that help customers to find the desired product location in a supermarket.
- Customers can just say what product they need, and the cart will take them to the product location and give details about that product.

EDUCATION

B.Tech in Mechatronics Engineering

July 2019 - Aug 2023

- JYOTHI ENGINEERING COLLEGE, THRISSUR.
- CGPA: 9.17
- Minor in Computer Science & Engineering.

Higher Secondary Education in Computer Science

July 2017 - March 2019

- C.V.M HSS VANDAZHY, PALAKKAD
- Grade: 94.9

- ST. XAVIER'S CENTRAL SCHOOL, PALAKKAD.
- Grade: 100

ROLES

- Microsoft Student Ambassador.
- Robotics Lead | Google Developer Student Club JEC.
- CTO | Innovation & Entrepreneurship Development Cell, JEC.
- Google Android Study Jam Facilitator.
- IEEE Web Master

ACHIEVEMENTS

- ISTE(Indian Society For Technical Education) Best Student Award.
- Beta Microsoft Student Ambassador.
- Area 51 | State level hackathon | Third prize.
- Resource person for the workshop "Computer Vision using Azure Services", organized by NDLI Club in association with MESA.
- Resource person for "Ideation " & "Brainstorming" as a part of Startup Awareness and Leadership Training (SALT) a novel initiative of KSUM.
- Resource person for the workshop "Introduction to web development", organized by MLSA and IEDC.

TRAININGS

- Industrial Automation Training | IIIT & INDWELL Automation.
- IoT & Machine Learning Training | IEEE SB PIT & Pantech Learning.
- CNC Training | TATA IIC JECC.

COURSES

- Joy of computing using python - NPTEL
- Launching into Machine Learning - Coursera
- Computer Vision - Object Tracking with OpenCV and Python - Coursera
- Object-Oriented Programming with Java - LinkedIn
- Become a Django Developer - LinkedIn
- GOOGLE AI | EXPLORER ML - Google
- Tools for Data Science.

LANGUAGES

- Malayalam: Mother Tongue
- English: Fluent
- Hindi: Beginner

HOBBIES

- Learning new technologies.
- Traveling
- Spending time with loved ones.