DEVADARSINI K

CONTACT

Palakkad

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09/10/2002

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PROFESSIONAL SUMMARY

Multidisciplinary engineering graduate with hands-on experience in Artificial Intelligence, Machine Learning, Electronics, and Computer Science fundamentals, aspiring to work on AI Engineer role. Passionate about innovating in smart mobility, farm mechanization, and intelligent systems, with a vision to contribute for tech-driven future.

TECHNICAL SKILLS

- Python , C++ , HTML programming languages
- Electronics :- Sensors, Arduino , Raspberry Pi , Embedded C
- Artificial Intelligence:- Supervised/Unsupervised Learning, Neural Networks
- Machine learning:- Scikit learn, Tensorflow, Keras
- Robotics :- Line following, Actuators and motor drivers, Robot programming
- OpenCV , Simulink, Azure , Matlab, Linux
- Familiarity with Microcontrollers / Circuit Design

LANGUAGE

- English
- Malayalam
- Tamil
- Hindi
- Sanskrit

STRENGTHS

- Adaptability
- Active Learning
- Attention to Detail
- Resilience

EDUCATION CREDENTIALS

University of Calicut   2023 - 2025
MSc Electronics

University of Calicut   2020 - 2023
BSc Electronics

PROJECTS

Image compression using AI and DSP
Designed an advanced image compression algorithm combining DSP techniques (DCT, Wavelet Transform) and AI to achieve superior compression rates while preserving visual quality.

Tools and Technologies Used: Python, TensorFlow, MATLAB, Matplotlib, DCT, Wavelet Transform, Neural Networks.

Power Grid Optimization
This software project aims to optimize the load , cost ,and many power in a power grid using optimization techniques.
Tools and Technologies: Python ,ML , Pytorch, Matplolib, Pandas , Django

Multifunction Engine control system
It's a system , which automatically parks the vehicle if the driver is drunken or slept. It slows the vehicle when the overspeed is detected.
Tools and Technologies : Arduino , Microcontroller, Embedded C programming

YIP - Young Innovators Program
Leaded a team for participating in YIP. The project was selected and it is a "Snoring Machine

ACHIEVEMENTS & AWARDS

- Completed Python 101 for Data Science certification course by IBM
- Completed Python for beginners course by MICROSOFT
- Completed Fundamentals of Generative AI course by MICROSOFT
- Certified on the topic Plan and Prepare to Develop AI solutions on Azure from Microsoft
- Completed certification course on Introduction to Internet of Thing from Cisco Networking Academy
- Completed the Fundamentals of Digital Marketing course on Google Workshop.
- Project got selected in YIP, Kerala govt
- Best volunteer award in college NSS unit.