Contact

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Top Skills

Matlab

Research

Team Management

Languages

Hindi

English

Tamil

Akash Ravikumar

Manager at EinNel Technologies - IoT & AI Team

Chennai

Summary

Currently working as Manager for IoT and AI team at EinNel Technologies. Knowledge in hardware interfacing and programming. Worked on hardware protocols such as UART, SPI, I2C and a little in CAN. Also worked on communication protocols such as TCP, UDP and MQTT. Posses knowledge in uploading data into and querying from various databases (including amazon db's) using python and m-scripting. Developed PoC hardware that can perform edge computing using data from sensor or from other means.

Posses knowledge in image processing and signal processing and use those features to provide artificial intelligence to the hardware using machine learning and deep learning. Has knowledge and worked on various classification and regression type problems and built models using both machine learning and deep learning algorithm.

Has worked on Health care IoT for adults and infants and have developed PoC hardware that can perform edge computing, which involves acquiring various vitals from human body via sensors and developed ML models to distinguish various noises made by the patient. Programmed hardware to make API calls to control it in from anywhere and also to update its health status and sensor working status. Worked on IIoT projects for providing safety to personals at shop floor and also to provide solution for machine idling time calculation for better productivity and fraud identification. Designed and programmed custom attendance management system for workers. Worked on projects related to Automotive field by building PoC hardware for an autonomous car. performed data analytics for Multi-Disciplinary optimization in full vehicle level. Developed Algorithm for fleet management system by acquiring data from the ECU, image processing and machine learning.

Strong team player with technical knowledge, interpersonal skills & managerial skills helped me get promoted to the position I'm at now.

Holds Masters Degrees in Electronics Engineering from KTU, Kaunas, Lithuania.

Experience

EinNel Technologies
3 years 8 months

Project Manager
February 2018 - Present (2 years 7 months)
Chennai Area, India

Associate Software Developer
January 2017 - January 2018 (1 year 1 month)
Chennai Area, India

Education

Kaunas University of Technology
Master's degree, Electronics Engineering · (2014 - 2016)

Anna University
Bachelors in Engineering, Electronics and Communication
Engineering · (2010 - 2014)