PAVAN KALYAN MADAKA

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PROFILE SUMMARY

- Dynamic and motivated professional with a strong passion for technology, particularly in Embedded Systems.
- Completed internship at EmCog Solutions in Chennai, India, specializing in Embedded Systems.
- Proficient in Microcontroller programming, specifically utilizing Microchip Mid Range Enhanced Microcontrollers with MPLABX IDE.
- Demonstrated ability to adapt quickly to new technologies and environments.
- Known for proactive approach and eagerness to learn, ensuring continuous growth and development.
- Detail-oriented with a commitment to delivering results of the highest standard.
- Possesses a strong foundation in Embedded Systems and is dedicated to making a positive impact in the field.

EDUCATION

Hindustan Institute of Technology & Science, Chennai, India
Bachelor of Technology in Electrical and Electronics Engineering, 2018 – 2022
CGPA: 79.9

Sri Chaitanya Junior College, Guntur, Andhra Pradesh, India
Class XII Intermediate Education - MPC, 2016 – 2018
CGPA: 9.0

EXPERIENCE

Graduate Engineering Trainee - HCLTech
Feb 2023 to Present - Chennai, Tamil Nadu
- Enhancing teamwork through collaborative efforts in crafting and implementing innovative SharePoint solutions.
- Tailoring and upholding SharePoint sites, web components, and workflow systems to meet organizational needs.
- Offering proficient technical assistance to resolve SharePoint-related challenges efficiently.
- Facilitating user education sessions and crafting comprehensive documentation for seamless system utilization.

- Supporting content migration endeavors and guaranteeing the integrity of data throughout the process.
- Enforcing robust security protocols and access management strategies within SharePoint environments.
- Remaining abreast of evolving SharePoint methodologies and industry best practices.
- Actively soliciting and integrating user feedback to drive continuous system improvement initiatives.
- Ensuring adherence to coding standards and rigorous quality assurance protocols.
- Producing comprehensive technical documentation to bolster development endeavors.

Intern, EmCog Solutions, Chennai, India
Embedded Systems, Microcontrollers & Embedded C Programming, using Microchip Mid Range Enhanced Microcontrollers with MPLABX IDE.

AWARDS

Member, IEEE, Hindustan University
Member, Nebula Astro Club, Hindustan University

SKILLS

- Python Machine Learning
- HTML and CSS
- MATLAB
- Image Processing
- Edge Computing

PUBLICATIONS

"Real-Time Object Detection with TensorFlow Model using Edge Computing Architecture," IEEE INTERNATIONAL CONFERENCE ON SMART STRUCTURES AND SYSTEMS (ICSSS 2022), Department of Electronics and Communication Engineering & Centre for Micro Nano Design & Fabrication.

PROJECTS

- Deep Learning Model for Detecting COVID-19 on Chest X-rays
- State of Health Estimation (SOH) for EV-Batteries
- Real-Time Object Detection with TensorFlow Model using Edge Computing Architecture

CERTIFICATES

- [Introduction to the Internet of Things and Embedded Systems](#)
- [Electric Utilities Fundamentals and Future](#)

- [Advanced Data Analytics Training using Python](#)
- [Introduction and Programming with IoT Boards](#)
- [Introduction to Programming MATLAB](#)
- [Wind Energy](#)

INTERESTS

- Playing Cricket
- Working on GradLife
- Writing Articles in Technuws