Vaishnav S Chandran

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Motivated and adaptable engineer with a strong foundation in Computer Science and Electrical Engineering. Experienced in machine learning, Python development, IoT systems, and Generative AI. Skilled in building ML pipelines, developing AI agents, and applying prompt engineering techniques for real-world applications. Curious and driven to explore the evolving world of GenAI, with a passion for creating intelligent, user-focused solutions.

Skills

Prompt Engineering
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Machine Learning
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Python
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C++
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Power BI
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PCB designing
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MATLAB
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IoT
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Certifications

Fundamentals Of Digital Marketing
Google Digital Unlocked
2021

AI For Everyone
DeepLearning.AI
2021

Languages

English
Full Professional Proficiency

Malayalam
Native or Bilingual Proficiency

Hindi
Limited Working Proficiency

Tamil
Limited Working Proficiency

Publications

Development of GUI and Slot Booking System for Marine Vessel Charging
IEEE
2023

Developed a comprehensive system for charging electric vessels, featuring advanced communication protocols, efficient charging solutions, and user-friendly interfaces for operators and crew.

Experience

Sandisk   **September 2024**
Intern   Bengaluru,India

- Automated internal workflows using **Python** to generate files and testing.
- Developed and maintained **C++ code** to support IP block modeling .

Internshala   **June 2022 - July 2022**
Internshala Student Partner

Kerala State Electricity Board Limited   **December 2021 - December 2021**
Intern

Education

Amrita Vishwa Vidyapeetham   **July 2023 - 2025**
Computer Science Engineering   Mtech
7.95

Amrita Vishwa Vidyapeetham   **June 2019 - March 2023**
Electrical and Electronics Engineering   BTech
8.22

Government of Kerala Board of Higher Secondary Examination   **March 2017 - 2019**
Computer Science   Higher Secondary Education

Gayathri Central School   **March 2015 - 2017**
                                           Secondary Education

Projects

Enhancing Robustness of AI-Based Traffic Sign Recognition Against Adversarial Attacks Using Adversarial Training and Explainable AI   **2025**

Built a robust traffic sign classifier using adversarial training (FGSM, PGD) and XAI. Improved model accuracy under attack scenarios and added transparency to model decisions

Generative AI for Data-Driven Reports and Articles   **2024**
Automated report and article creation from complex data using generative AI and LLMs to enhance clarity and communication.

Decentralized File Sharing webapp   **2024**
A decentralized file sharing web app that leverages blockchain technology to provide secure, peer-to-peer file sharing

Predictive Analytics in Anime Ratings: An Integration of Machine Learning and Explainable AI   **2023**
Developed a novel machine learning model to predict anime scores.

AI-Driven Exploration and Predictive Modeling for Glaucoma Diagnosis   **2023**
Utilize GenAI for data-driven glaucoma dataset exploration, feature selection, and predictive modeling to enhance early glaucoma diagnosis.

Predicting Smoking Status with Bio-Signals: Integrating Machine Learning and Explainable AI   **2023**
Developed a machine learning model to predict smoking status from bio-signal data