

ABHIRAMI K

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CAREER OBJECTIVE

Seeking for a position in a growing company that values my technical, analytical, and communicational skills and gives me opportunities to expand my knowledge. With my expertise in coding, data structures and algorithms, and machine learning, I am confident in my ability to contribute to the success of the company and deliver high-quality work.

EDUCATION

Indian Institute of Technology Palakkad

Btech in Mechanical Engineering

Graduation - 2024(Current)

CGPA - 8.28/10

TECHNICAL SKILLS

Programming Languages : C++, C, Python, SQL, HTML, CSS, JavaScript.

Developer Tools : VS Code, Git.

Course Work : Introduction to Programming, Data Structures and Algorithms, CP, Machine Learning, OOPs.

PROJECTS

Predicting FRC Characteristics Using Machine Learning

2023 - Ongoing

Mentor : Dr. Sunitha K Nayar

[Link](#)

Skills Involved : Machine Learning, Python.

- A machine learning model to predict CMOD Vs Load graph of a fiber-reinforced concrete from Displacement Vs Load graph.
- Interpolated the graphs we have and used as training datas in different machine learning models.
- Created a model to find the maximum possible load in the concrete of a particular fiber dosage.

Portfolio Website

2023 April

Skills Involved : HTML, CSS, JavaScript.

[Link](#)

- Created a portfolio website using HTML, CSS and JavaScript through which people can download my resume and contact me.

Fence Fault Detection and Alert System App

2022 June - 2022 July

Mentor : Dr. Sreenath V

[Link](#)

Skills Involved : Arduino, C++.

- Created a code for wireless link between two nodes in order to prevent the high expense of monitoring the fence.
 - Created a code in microcontroller to know the state of the other nodes and to employ the alert system accordingly.
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EXTRA CURRICULAR ACTIVITIES

POR : Institute Music Club Secretary(2023-24), Social Initiative Head - Petrichor'22

Achievement : 2nd prize in Thinker-Thon in Tech Day 2.0

[Link](#)