

MIDHUN C

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Skills

Languages: C, Java, Python, JavaScript , MySQL ,HTML ,CSS

Work Experience

CSIR, Chennai

sept 2023 - feb 2024

Computer Scientist

- Led a team in the development and implementation of a solar panel cooling system aimed at improving energy efficiency and performance.
- Conducted research to identify optimal cooling techniques and materials for solar panels .
- Designed and executed experiments to test the effectiveness of various cooling methods, analyzing data to optimize system performance.
- Collaborated with engineers and researchers to integrate the cooling system into existing solar panel installations, ensuring compatibility and reliability.
- Presented findings and project progress to scientists.

Education

K ramakrishnan college of engineering Trichy

Aug 2021 - present

B.E. in Computer Science and Engineering

CGPA:8.98/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Math, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms,

Project Work

•Stock Price Prediction using LSTM and CNN (2023)

Developed Stock Price Prediction model using Long-Short Term Memory (LSTM) and Convolutional Neural Network (CNN) that predicted stock prices with inaccuracy of 85%,5% more accurate than a benchmark model. I gained hands-on experience in thorough data cleaning, making our features more detailed, and fine-tuning our model.

• Phishing detection using machine learning (2023):

Developed models to detect phishing emails using machine learning Algorithms and data preprocessing techniques, resulting in a 90% accuracy rate. ML Algorithms:Decision Tree, Random Forest. Python: Scikit-Learn, Pandas

• weed detection using CNN:

Developed a deep learning model for weed detection, which accurately distinguishes between weeds and valuable crops. This involved extensive data preparation, implementing advanced deep learning techniques.

Awards and Certificates

- Machine Learning Specialization on Coursera
- Oracle Machine Learning (Using Autonomous Database) Issued by Oracle Corporation
- Salesforce administrator virtual internship
- Programming in java (elite)
- Problem solving through programming in C(silver)
- Solved over 2,500 problems on Skill Rack and 500+ problems on other platforms.
- Google cloud career readiness associate cloud engineer track.