MADHUMITHA K

(+91)7200301846 madhumitha.kannan05@gmail.com Chennai,TamilNadu 600087

PROFILE

Results-driven Computer Science student skilled in Java programming, with hands-on experience in web development using HTML, CSS. Developed practical applications such as a peer-to-peer product management system and a Career Guidance System. Proficient in database management and backend development, and with a strong interest in machine learning. Actively contributing on platforms like HackerRank, GitHub, and LeetCode, showcasing a strong commitment to continuous learning and problem-solving.

EDUCATION

B.E. COMPUTER SCIENCE & ENGINEERING
RAJALAKSHMI ENGINEERING COLLEGE - Chennai
CGPA: 8.11

SKILLS

Java, Python, C, MySQL, HTML, CSS

WEBSITE

- GitHub: https://github.com/MadhumithaK05
- LinkedIn: https://www.linkedin.com/in/madhumitha-k-960b31227/
- LeetCode: https://leetcode.com/Madhumitha_K/
- HackerRank: https://www.hackerrank.com/madhumitha_k05

PROJECTS

1.**Career Guidance Project**: Developed a comprehensive career guidance platform under Naan Mudhalvan scheme utilizing machine learning algorithms to assist students and job seekers in making informed career choices.

2.**Peer-To-Peer Product Management System** The Peer-To-Peer Product Management System is a web platform designed for students to buy, sell, rent, and request products from their peers. The system also provides a chat area for the buyers and sellers.

3.**Stellar Classification :**A comparative study of machine learning models for stellar classification using Kaggle data demonstrates their effectiveness in distinguishing between dwarf and giant stars through meticulous data preprocessing and feature selection.

4.**House Price Prediction :** The project demonstrates the effectiveness of combining multiple machine learning models to predict house prices with high accuracy. The best results were achieved through an ensemble of CatBoost and LightGBM.

5.**GUI Bakery Billing System using Swing** An automated system designed for a bakery to generate customer bills. The bill includes identification details and transaction amounts.

6.**Home Automation (IOT)** The project aims to create an advanced home automation system using Arduino, integrating various sensors and actuators to enhance energy efficiency and convenience. Key components include an LDR for ambient light sensing, a PIR motion sensor for human presence detection

CERTIFICATIONS

- NPTEL Artificial Intelligence Search Methods for Problem Solving
- NPTEL Joy of Computing using Python : Achieved Top 1%
- DSA Live for Working Professionals in Geeks for Geeks