

BARATHRAJ P

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EDUCATION

B.TECH (AI&DS) - Sri Eshwar College of Engineering CGPA :8.8 (upto 2th semester)	2022 - 2026
BS (Data Science) - Indian Institute Of Technology Madras Grade : A	2024 - 2026
HSC - Vailankanni Matric Higher Secondary School 91.33%	2021 - 2022
SSLC - Vailankanni Matric Higher Secondary School 99.2%	2019 - 2020

INTERNSHIP

Django intern - RVTechlearn **March - 2024**

I actively contributed to the development of an e-commerce platform, utilizing HTML, CSS, Django, and SQLite. Additionally, I collaborated on a movie recommendation system project, integrating machine learning algorithms to provide personalized movie suggestions to users

Tech stack: HTML , CSS , Django , SQLite , ML

Data Science Intern - Codeclause PVT LTD

December- 2023

I contributed to projects involving brain tumor prediction with 91% accuracy and segmentation analysis achieving 93% accuracy. Additionally, I developed a speech emotion detection system with 90% accuracy, showcasing my expertise in machine learning and data analysis.

Tech stack: Machine learning , Deep learning , NLP , Streamlit

PROJECTS

MediChat : An Integrated Healthcare Assistant with OCR, LLM Medicine Insights.

My chatbot scans doctor's medicine prescriptions using OCR and to extract medicine names using NER model. It then uses a trained model to provide descriptions of the medicines and their images .

Tech stack: Deep learning (CNN) , Computer vision , LLM , OCR , HuggingFace , Intel oenapi

Virtual Try - ON

Virtual Try - On is a technology that uses Deep Learning , Computer Vision algorithms to enables users to digitally try on clothing in virtual environment. By leveraging DL,ML techniques , This system can accurately 90% simulate the appearance and fit of product on users

Tech stack: Machine learning , Deep learning (CNN) , Computer vision , Streamlit

Smart Bin and Map Navigation

"Trach Track" web app, a pioneering solution in waste management . Developed a sophisticated navigation system within the app to product the shortest path between bins based on the fill level . The workers can keep track on real world update of the bins level

Tech stack: HTML , CSS , Django , IOT , GoogleAPI , GoogleMap , Machine Learning

CERTIFICATIONS

Supervised and UnSupervised Machine Learning Deep Learning . ai	2023
Neural Networks and Deep Learning Deep Learning.ai	2023
Introduction to C IIT Madras(NPTEL)	2024
Java Programming Udemy	2023
Crash Course On Python Google	2023
Mastering Data Structure and Algorithms Using C and C++ Udemy	2023
Basic and Intermediate in mysql Hackerrank	2024

ACHIEVEMENTS

Leetcode	: 250+ Problems Solved Rating - 1520 Top 35% in the World profile
Codechef	: Rating - 1026 profile
Hackerank	: 2Certifications 2 Badges Profile
Student Innov Fest	: Secured 1st Position with Cash Prize 3000
Intel oneapi hackathon	: Top 10 among 1500 Teams
IIITDM ML Hackathon	: Top 25 in National Level Hackathon
Java - DB Leap	: Secured Second Place
IOT Hack	: Secured Second Place

SKILLS

Programming Language : C | Python | Java | Basic cpp

Web Technology : HTML | CSS | Basic JS | Django | Flask | Streamlit

DataBase : Mysql

Technical : Machine Learning | Deep Learning