

# BARATHRAJ P

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## EDUCATION

|   |                    |
|---|--------------------|
| <b>B.TECH (AI&amp;DS)</b> - Sri Eshwar College of Engineering   <b>CGPA : 9.1</b> ( upto 3rd semester ) | <b>2022 - 2026</b> |
| <b>BS (Data Science)</b> - Indian Institute Of Technology Madras   <b>Grade : A</b>                     | <b>2024 - 2026</b> |
| <b>HSC</b> - Vailankanni Matric Higher Secondary School   <b>91.33%</b>                                 | <b>2021 - 2022</b> |
| <b>SSLC</b> - Vailankanni Matric Higher Secondary School   <b>99.2%</b>                                 | <b>2019 - 2020</b> |

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

## ACHIEVEMENTS

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

## SKILLS

**Programming Language :** C | Python | Java | Basic cpp

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

**Framework :** Tensorflow | keras | pytorch | scikit - learn | NLTK

**Technical :** Machine Learning | Deep Learning | NLP