BHARATH D

Location: Avaraikulam, Tirunelveli, TamilNadu

LinkedIn | GitHub | Leetcode | Portfolio | Email: duraibharath2002@gmail.com | Mobile: +91 6385201842

Professional Summary

Software Engineer with a B.Tech in Artificial Intelligence and Data Science, experienced in developing mobile apps using Flutter and scalable web applications. Skilled in software development with a passion for AI/ML, I aim to contribute to innovative projects that merge engineering and intelligent systems.

Technical Proficiencies

Languages	:	C, C++, Java, R, Python, Dart, HTML/CSS, JavaScript, TypeScript, PHP, Ruby , PowerShell
Frameworks	:	PySpark, PyTorch, React.js, Express, Node.js, Flutter, Hadoop, Spark, Kafka , Spring Boot , Hibernate
Libraries	:	Pandas, NumPy, scikit-learn (sklearn), Keras, TensorFlow, TensorBoard
Databases	:	SQL (Oracle, MySQL, PostgreSQL, SQL Server), NoSQL (MongoDB, Cassandra, Neo4j)
Cloud & Services	:	Databricks, Firebase, Amazon Web Services (AWS), Azure Machine Learning Studio
Dev Tools	:	GitHub, Docker, Weka, Orange, Tableau

Experience

Software Engineer *Annuity Risk India , Chennai* Feb 2024 - Feb 2025

- Gained proficiency in Flutter for cross-platform app development.
- Explored and implemented various Flutter packages to enhance app functionality.

Projects

Brain Tumor Classification using SWIN-LSTM model *GitHub* Dec 2023 - Apr 2024

- Developed a Brain Tumour Classification system using SWIN-LSTM model

Personalized Book Recommendation System with PySpark Sep 2023 - Oct 2023

- Developed a personalized book recommendation system using PySpark
- Utilized the Alternative Least Square (ALS) technique within the Databricks environment

Obstacle Avoiding Car Sep 2023 - Oct 2023

- Designed and developed an obstacle-avoiding car
- Implemented Ultrasonic sensors and Stepper Motors with Arduino for obstacle detection and motor control

Farmers E-Commerce System *GitHub* Apr 2023 - May 2023

- Built a Farmers E-Commerce System using PHP, MySQL, HTML, CSS, and JavaScript
- Integrated Stripe API for payment processing

Vehicle Speed Detection *GitHub* Apr 2023 - May 2023

- Developed a Vehicle Speed Detection system using the YOLO V8 model in Python

Diet Recall App Apr 2023 - May 2023

- Designed and built a Diet Recall app using React and Firebase

Word Prediction *GitHub* Apr 2023 - May 2023

- Implemented a Word Prediction system using LSTM model and N-Gram techniques

Brain Tumour Detection *GitHub* Mar 2023 - Apr 2023

- Developed a Brain Tumour Detection system using CNN and LSTM model in Python

Movie Recommendation System May 2022 - June 2022

- Built a Movie Recommendation System based on collaborative filtering using the SVD algorithm in Python

Hall Analytics System *GitHub* Sep 2022 - Oct 2022

- Designed a Hall Analytics System using HTML, CSS, Node.js (Handlebars.js, Express.js, MongoDB)

Student Attendance System by Face Recognition May 2022 - June 2022

- Implemented a Student Attendance System using face recognition with OpenCV in Python

Covid Data Analysis and Prediction Nov 2022 - Dec 2022

- Conducted Covid Data Analysis and Prediction using ML Algorithms (Random Forest, Decision Tree, K-Means, KNN, Naïve Bayes)

Education

Mepco Schlenk Engineering College , Sivakasi , Tamil Nadu CGPA : 8.62
B.Tech Artificial Intelligence and Data Science *2020-2024*

SAV Balakrishna Mat.Hr.Sec.School , Tirunelveli , Tamil Nadu Percentage : 80
HSC *2020*

St.Ann's Mat.Hr.Sec.School , Tirunelveli , Tamil Nadu Percentage : 94.4
SSLC *2018*

Achievements and Awards

- Won scholarship for securing CGPA above 8.5(Rs.15,000) - **2023**
- won Scholarship for securing bronze in Anna University Hockey zonal Tournament (Rs. 1000) - **2023**
- Represented the Virudhunagar district Hockey team in the CM Trophy Tournaments held in Chennai - **2023**
- Won scholarship for securing CGPA above 8.5(Rs.15,000) - **2022**

Certifications

- AWS Certified Cloud Practitioner - **AWS**
- Data Science for Engineers IIT Madras - **NPTEL**
- Introduction to Machine Learning IITKGP - **NPTEL**
- Natural Language Processing IITKGP - **NPTEL**
- Software Engineering and Agile Software Development - **Infosys**