

BHARATH D

Location: Avaraikulam, Tirunelveli, TamilNadu

[LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Portfolio](#) | Email: duraibharath2002@gmail.com | Mobile: +91 6385201842

PROFESSIONAL SUMMARY

Software Engineer with expertise in deep learning, NLP, and MLOps. Skilled in deploying scalable AI solutions using PyTorch, TensorFlow, and FastAPI. Passionate about optimizing AI models for performance and integrating them into production systems using AWS SageMaker, Kubernetes, and MLflow. Looking to drive innovation in AI applications and contribute to cutting-edge research in deep learning and large language models.

TECHNICAL PROFICIENCIES

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

EXPERIENCE

Software Engineer	<i>Annuity Risk India , Chennai</i>	Feb 2024 - Feb 2025
<ul style="list-style-type: none">• Gained proficiency in Flutter for cross-platform app development.• Integrated AI/ML-based KYC verification into the app to automate identity verification and fraud detection.		

PROJECTS

Brain Tumor Classification using SWIN-LSTM model	GitHub	Dec 2023 - Apr 2024
<ul style="list-style-type: none">• Developed a Brain Tumour Classification system using SWIN-LSTM model		
Personalized Book Recommendation System with PySpark		Sep 2023 - Oct 2023
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Developed a Vehicle Speed Detection system using the YOLO V8 model in Python		
Diet Recall App		Apr 2023 - May 2023
<ul style="list-style-type: none">• Designed and built a Diet Recall app using React and Firebase		
Word Prediction	GitHub	Apr 2023 - May 2023
<ul style="list-style-type: none">• Implemented a Word Prediction system using LSTM model and N-Gram techniques		
Movie Recommendation System		May 2022 - June 2022
<ul style="list-style-type: none">• Built a Movie Recommendation System based on collaborative filtering using the SVD algorithm in Python		
Hall Analytics System	GitHub	Sep 2022 - Oct 2022
<ul style="list-style-type: none">• Designed a Hall Analytics System using HTML, CSS, Node.js (Handlebars.js, Express.js, MongoDB)		
Covid Data Analysis and Prediction		Nov 2022 - Dec 2022
<ul style="list-style-type: none">• 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

B.Tech Artificial Intelligence and Data Science

CGPA : 8.65

2020-2024

SAV Balakrishna Mat.Hr.Sec.School , Tirunelveli , Tamil Nadu

HSC

Percentage : 80

2020

St.Ann's Mat.Hr.Sec.School , Tirunelveli , Tamil Nadu

SSLC

Percentage : 94.4

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**