

BHARATH D

Location: Avaraikulam, Tirunelveli, TamilNadu

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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	<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.• Explored and implemented various Flutter packages to enhance app functionality.		

PROJECTS

Brain Tumor Classification using SWIN-LSTM model	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	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	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	Apr 2023 - May 2023
<ul style="list-style-type: none">• Implemented a Word Prediction system using LSTM model and N-Gram techniques	
Brain Tumour Detection	Mar 2023 - Apr 2023
<ul style="list-style-type: none">• Developed a Brain Tumour Detection system using CNN and LSTM model in Python	
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

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

B.Tech Artificial Intelligence and Data Science

CGPA : 8.62

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**