HARI BABU M

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Education

B.E - Electronics and Communication   **(2022– 2026)**
Karpagam Institute of Technology, Coimbatore   CGPA 7.58

Experience

New Technology Institute   **(Apr-2023 - May-2023)**

Training/Internship in Advanced Techniques for Smart Phone and Laptop Troubleshooting, Coimbatore.

- Attained knowledge of basics of java , data structures and basics of OOPS.
- Participated in hands-on training for Smart Phone and Laptop Troubleshooting.
- Developed expertise in using tools and techniques for troubleshooting devices effectively skills include proficiency in tool usage, attention to detail, problem-solving, collaboration.
- Skills in diagnosing and repairing hardware/software issues, improving problem-solving abilities.

Certifications

Java Programming(Intermediate)   **(Nov 2024)**
NPTEL |
- Attained knowledge in basics of java , data structures and basics of OOPS.
- Proficient in Logical Thinking and Programming in Java.

Python and Problem Solving   **(June 2024,Aug 2024)**
HackerRank | NPTEL
- Python basic, Control flow, Function and models.
- Proficient in Programming solving in Python.
- Skilled in logical reasoning and enhancing dynamic problem-solving techniques through consistent practice**.**

C++ programming   **(Aug 2024)**
Algozenith |
- Skilled on solving problems for the competitive programming and ensure time management .
- Basics of C++ programming and using Standard Template Library .

AWS cloud Foundations   **(Aug 2024)**
Amazon Web services |
- Learned core AWS services like EC2, S3, and cloud security essentials.
- Gained expertise in deploying scalable and cost-effective cloud applications .

Projects

Ride-booking mobile application | Full Stack   **(2024-Present)**

- The application simplifies the ride-booking process by enabling drivers to place bids for customer rides, ensuring both parties get the best possible outcome.
- It allows drivers to bid based on their proximity to the pickup location, offering competitive prices and optimizing ride distribution. This benefits both drivers, who maximize their earnings, and customers, who enjoy lower fares.
- My role involves developing the bidding system using Machine Learning algorithms for optimizing pricing, integrating the backend with Django, and building the frontend with React Native.
- The application enhances user experience, making ride-booking more affordable, improving efficiency for drivers, and ultimately providing a better service to customers**.**

Face Recognition and Tracking System | AI Project **(2025 - Present)**

- Designed an AI-powered system using DeepFace and FaceNet to identify and track individuals across security camera networks.
- Integrated real-time video processing for live tracking and recent location detection across multiple feeds.
- Built a frontend interface to upload photos and display matched locations on a map with a timeline.
- Gained expertise in AI/ML models, computer vision, and scalable backend development using MongoDB.

Leaderboard Application | Full Stack **(2024-Present)**

- Built a simple leaderboard application to track user scores and display rankings in real-time.
- Features include user authentication, real-time ranking updates, and an admin panel to manage user data and scores.
- This is build to enhance my ability towards the MongoDb and backend work by Javascript.
- My part in this project is to develop a reactive frontend with admin access and to perform work with mongoDB.

Technical Skills   Soft Skills

- Programming | Java, Python ,C++   Leadership
- Frontend |HTML,CSS,JS   Critical Thinking
- Database | Mysql,mongo   Logical thinking

Achievement

- Awarded 3rd prize in BRAINIACS 2.0 at Karpagam Institute of Technology.   (Jan-2024)
- Awarded 1st prize in paper presentation at Elzia 2k24 at Hindustan College.   **(Apr-2024**

Research Paper

Cabs Come Affordable for Passengers :   **(May 2023)**

Published innovative research on "Cabs Come Affordable for Passengers", focusing on cost optimization strategies and enhancing accessibility of cab services, ensuring economic viability for service providers and affordability for passenger