

AMBARREESH R

FRONTEND DEVELOPER | DATA SCIENTIST & AI/ML ENTHUSIAST

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SUMMARY

Motivated and detail-oriented Frontend Developer with strong exposure to Data Science and AI/ML. Experienced in building responsive web and mobile applications and working with Firebase-based systems. Passionate about creating scalable digital solutions by combining modern UI/UX, analytics, and intelligent systems. Seeking opportunities to contribute to innovative engineering teams.

PROFESSIONAL EXPERIENCE

Intern – Research & Development (R&D)

Dec 2025

boAt Lifestyle, Bangalore, India

- Contributed to API Testing Automation by designing and executing test cases to validate backend services, improving service reliability and performance.
- Worked on Inventory Management Systems, supporting data tracking, stock monitoring, and internal reporting workflows.
- Assisted in Response Intelligence (AI) modules by analyzing system outputs and validating AI-driven responses for accuracy and efficiency.
- Performed functional and regression testing using Postman to ensure stable REST API performance across multiple services.
- Collaborated with developers, QA engineers, and analysts in an agile R&D environment.
- Prepared technical documentation, bug reports, and test summaries to support continuous improvement cycles.

Tools & Technologies: Postman, HTML, CSS, JavaScript, Node JS, Python

Chief Technology Officer (CTO)

Jan 2023 - Jun 2023

10X Club – Kalasalingam University

- Lead technical initiatives for the student club, overseeing web and application development projects.
- Managed a technical team for event websites, automation tools, and community platforms.
- Designed and deployed club websites showcasing events, teams, and activities.
- Promoted coding culture by organizing hackathons, innovation challenges, and technical workshops.

TECHNICAL PROJECTS

Factory Management Software & App

- Built a full-stack management system (APK + Web) to monitor attendance, raw materials, production, and daily reports.
- Implemented Firebase backend for real-time data storage and retrieval.
- Designed dashboards to auto-generate daily production reports.

Tech Stack: Flutter, Firebase, HTML, CSS, JavaScript

Human or AI Voice Detection (Deep Learning)

- Developed a deep learning model to classify human vs AI-generated voices.
- Implemented advanced audio feature extraction and neural network training.
- Achieved accurate classification using MFCC, Log-Mel, and SpecAugment techniques.

Tech Stack: Python, TensorFlow, Librosa, NumPy

FConnect Messaging App

- Designed a real-time messaging platform with authentication and profile management.
- Integrated Firebase authentication and database services for secure communication.

Tech Stack: Flutter, Firebase

Feunic Software Company Website

- Developed a professional company website with responsive UI and modern branding.

Tech Stack: HTML,CSS,JS, Firebase

10X Club Official Webpage

- Built the official student club webpage highlighting events, teams, and activities.

Tech Stack: HTML, CSS, JavaScript

ChocoArt Studio Website

- Designed a portfolio and service website for a freelance chocolate art studio.

Tech Stack: HTML, CSS, JavaScript

TECHNICAL SKILLS

Languages: Python, Dart, C, JavaScript, HTML, CSS

Frameworks: Flutter, React.js

Cloud / Database: Firebase Auth, Firestore, Cloud Functions, Firebase Hosting

Data & Machine Learning: TensorFlow, NumPy, Pandas, Scikit-learn, Librosa, MFCC, Log-Mel

Tools: Git, GitHub Actions, Postman, Figma

EDUCATION

B.Tech – Information Technology

2023 - 2027

Kalasalingam Academy of Research and Education

CGPA: 8.63

ADDITIONAL INFORMATION

- **Languages:** English, Tamil
- **Certifications:** Meta Frontend Developer
- Strong interest in Web Development, Data Science, and AI/ML
- Active in hackathons, technical communities, and innovation events