

HRIDYA BABU

Full Stack Developer

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EDUCATION

MERN Stack	Avodha	2025
MCA (CGPA: 8.38)	Government Engineering College, Thrissur	2023 – 2025

SKILLS

Languages:	Python, JavaScript, Java , SQL , HTML
Web Technologies:	React.js, Express.js, Node.js
Platforms:	VS Code, GitHub, Jupyter NoteBook

PROJECTS

MERN STACK BLOG APPLICATION | [Link](#)

Developed a full-stack, responsive blog platform using the MERN stack.

- Designed a **RESTful API** with **Express.js** and **Node.js** for managing blog posts (CRUD operations).
- Integrated **MongoDB** with **Mongoose** for storing and retrieving post data.
- Built an interactive frontend using **React.js** and **Tailwind CSS** for a responsive user interface.
- Implemented error handling and smooth data flow between frontend and backend.

JOB PORTAL APPLICATION | [Link](#)

Developed a full-stack, role-based Job Portal application using the **MERN stack**.

- Designed a secure **RESTful API** with **Express.js** and **Node.js** for managing job listings (CRUD) and **application tracking**.
- Integrated **MongoDB with Mongoose** to define and manage three key schemas: Users, Jobs, and Applications.
- Built an interactive frontend using **React.js** to facilitate dynamic job searching, filtering, and role-based views (Job Seeker vs. Recruiter).
- Implemented **Role-Based Access Control (RBAC)** using **JWTs** to secure data flow and ensure appropriate user permissions for posting jobs or viewing applications.

ANDROID APPLICATION

Developed an Android application for farmers to sell and buy their products. Key features include:

- **User Management:** Provides user login and registration functionality.
- **Query Management:** Allows users to ask questions and clear doubts.
- **Sales and Purchase Management:** Enables farmers to easily buy and sell products within the application.

WEB APPLICATION | [Link](#)

Developed a deep learning-based Fake Logo Detection system using ResNet50. Key highlights:

- Utilized **ResNet50** to analyze logo features such as shape, color, and font.
- Accurately distinguishes between genuine and counterfeit logos.
- Applied deep learning techniques for reliable visual feature recognition.

UNITY APPLICATION

Developed an AR-based Virtual Tour Guide app using **Unity** and **AR Foundation**. Key highlights:

- Enabled users to explore global tourist landmarks in immersive 3D.
- Integrated a **Large Language Model (LLM) API** for generating real-time descriptions.
- Used a **Text-to-Speech (TTS) API** to provide audio narration, improving accessibility and engagement.

CERTIFICATES

• **MERN Stack Development – Avodha** | Certificate

— October 2025