

# 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

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

— October 2025