

# HRIDYA BABU

## Full Stack Developer

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## EDUCATION

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.

### 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)
- 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.

### 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.

## CERTIFICATES

• MERN Stack Development – Avodha | Certificate

— October 2025