

HARIOM KHONDE

Bengaluru, Karnataka

+91-7676126256

hariomkhonde@gmail.com

LinkedIn

GitHub

EDUCATION

PES University RR Campus

Aug 2024 - Jul 2027

Bachelor of Technology in Computer Science and Engineering

Bengaluru, India

- Focus on software engineering, algorithms, and system design
- Active in hackathons and coding challenges

Diamond PU Science College

2023

Pre-University Course

Bidar, India

- Percentage: 94.44%

Rajrashi Shahu Residential School

2021

10th Standard

Bidar, India

- Percentage: 93.3%

EXPERIENCE

CHEAL Research Center

Jun 2025 - Jul 2025

Research Intern

Pes University

- Designed and implemented a real-time body-mounted monitoring system to ensure medication adherence in geriatric diabetic patients
- Integrated **YOLOv8** for object detection of medicine packets and **OCR** (PaddleOCR) to extract text-based prescription details
- Built a complete AI pipeline using **Python**, **OpenCV**, **ultralytics** and trained models on a custom dataset of medicine images
- Achieved 98% accuracy on object detection and robust fallback recognition in case of OCR failures

PROJECTS

Tumor-Detect | Brain Tumor MRI Analysis System

2024

- Developed an AI-powered system to analyze MRI scans and detect brain tumors
- Classifies Glioma, Meningioma, and Pituitary tumors with high accuracy
- Provides AI-driven treatment suggestions with confidence scoring
- Built using TensorFlow, React, and Flask for seamless integration

EcoScan | Smart Sustainability Scanner App

2024

- Developed a mobile application that scans product barcodes to rate sustainability
- Provides greener alternatives and promotes eco-friendly consumption
- Built with React Native frontend and integrated Gemini Pro AI models
- Utilizes Open Food Facts database and sustainability datasets for accurate analysis

Dhanvantri Project | Healthcare Initiative

2024

- Developed a healthcare platform offering medical knowledge in local languages
- Designed to empower rural communities with accessible healthcare information
- Focused on bridging the healthcare gap in underserved regions

COURSEWORK & TECHNICAL SKILLS

Coursework: Data Structures and Algorithms, Software Engineering, Computer Networks, Web Technologies, Database Management Systems.

Languages: JavaScript, C++, C, Python

Technologies/Frameworks: Next.js, React.js, Express.js, Node.js, , Mongoose

Tools: VS Code, Git, GitHub, Postman, MongoDB

HACKATHONS & COMPETITIONS

- CODE RED'25 Hackathon** - Developed waste management platform with AI categorization and geolocation features
- Epoch 2.0 DataThon** - Built Tumor-Detect AI solution for brain tumor MRI analysis
- Terrathon 4.0** - Created EcoScan mobile app promoting sustainable consumption using AI
- Actively participating in various hackathons and coding challenges to enhance technical skills