Yashraj Salunkhe

Applying For :

Seeking an Internship role in **Full-Stack Development** / **Artificial Intelligence** / **Data Science** / **Machine Learning .**

Contact

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Academic Details

- **Bachelor of Technology (B.Tech) AI&DS**
  Annasaheb Dange College of Engineering and Technology (ADCET), Ashta;
  CGPA: 8.45
  2023-2027

Soft Skills

Analytical | Collaborator | Leader | Adaptable

Technical Skills

- **Programming Languages:** JavaScript, Python, C, C++, PHP.
- **Frameworks:** React, Nodejs, Flask, FastAPI.
- **DevOps & Tools:** Docker, Kubernetes, Git, Linux, Google Cloud.
- **Databases:** MongoDB, SQL.
- **Technologies:** Machine Learning, Git, SQL, MongoDB, IoT Integration, Linux.

Core Competencies

- Agile Methodologies
- Software Development Life Cycle
- Restful API
- Debugging
- Containerization

Personal Details

Date of Birth: 17th June 2005
Languages Known: English, Hindi and Marathi
Address: Umbraj, Karad, Maharashtra

Profile Summary

- **Full-stack developer** with strong **problem-solving skills**, currently pursuing a degree in **Artificial Intelligence and Data Science**.
- Experienced in developing impactful **IoT-based systems**, including a **Smart Doorbell** with **facial recognition** and a **gesture-controlled automation system** for **KPIT Sparkle**.
- Contributed to the design and development of the official event website for **Neuroverse**, improving **user engagement** and streamlining **event registrations**.
- Knowledgeable in **face recognition**, **real-time notifications, snapshot management**, and **mobile-friendly UI/UX design**.
- Participated in the **Smart India Hackathon (SIH)**, gaining hands-on experience in solving real-world engineering problems under tight deadlines.
- Skilled in modern web technologies with hands-on experience in **React.js, Python Flask**, and **REST APIs** using a **hybrid development approach**.
- Eager to apply technical skills and learn from industry professionals through an internship opportunity, while contributing effectively to team projects.

Projects

Smart Doorbell with AI-Based Face Recognition **Feb 2025 – May 2025**
Tools: React.js, Flask, OpenCV, ML Kit.

- Designed and developed the frontend UI using React.js with a focus on responsive and user-friendly experience.
- Built backend APIs using Python Flask to handle real-time data processing and face recognition logic.
- Integrated AI-based face detection and recognition models to identify visitors accurately.
- Implemented features for face management, snapshot history, and notification handling.

Gesture-Based Smart Automation System **April 2025 – May 2025**
Tools: Python, OpenCV, MediaPipe, Arduino

- Built a gesture-controlled automation system that manages music, AC, and emergency alerts using real-time hand detection.
- Implemented posture detection to identify sleep states and trigger alarms automatically.
- Integrated MediaPipe and OpenCV for gesture tracking and Arduino-based I/O control.
- Designed custom gestures for functions like play/pause, volume control, and emergency SOS.
- Presented the project at the KPIT Sparkle Hackathon 2025 as an innovative smart home solution.

Object Detection Website **Jan 2024 – Mar 2025**
Tools: React.js, Node.js, Python, YOLOv5, OpenCV, Docker

- Developed a full-stack web application that detects and highlights objects in user-uploaded images using the YOLOv5 model.
- Designed a responsive frontend using React.js and implemented backend logic with Node.js and Python.
- Integrated OpenCV for image preprocessing and bounding box generation.
- Containerized the object detection pipeline using Docker for scalable deployment.

GPS Bus Tracking System **Dec 2024 – July 2025**
Tools: Raspberry Pi, GPS Module, AWS, React Native, Google Maps API

- Built a real-time GPS tracking system to monitor and visualize college bus locations for students and faculty.
- Interfaced a GPS module with Raspberry Pi to capture location data and transmitted updates to AWS DynamoDB via MQTT.

- Developed a mobile app using React Native and Google Maps API to display dynamic bus positions and estimated arrival times.
- Presented under IIC as a smart campus transportation solution, improving reliability and user experience.

Smart Home Automation with Google Assistant Dec 2024 – July 2025
Tools: NodeMCU ESP8266, Relay Module, Google Home App, Sinric Pro, MQTT.

- Developed a voice-controlled smart home automation system using Google Assistant via the Google Home app.
- Integrated NodeMCU ESP8266 with relay modules to control home appliances such as lights and fans.
- Used Sinric Pro platform to bridge Google Assistant commands with the NodeMCU device, enabling secure and reliable voice control.
- Programmed the NodeMCU to connect with Sinric Pro cloud APIs, allowing device state monitoring and command execution remotely.
- Gained practical experience in IoT cloud platforms, MQTT communication, voice assistant integration, and smart device control.

Certification

Google Cloud Skills Boost – AI, ML, and Cloud Computing Specialization.
Completed: October 2024 – January 2025

Hands-on training and completion of 17+ Google Cloud labs and modules focused on Artificial Intelligence, Machine Learning, Generative AI, Cloud Infrastructure, and App Deployment. Key skills and topics covered include:

- Artificial Intelligence & Machine Learning
  - Introduction to AI and Machine Learning on Google Cloud
  - Professional Machine Learning Engineer Study Guide
  - Prompt Design in Vertex AI
  - Develop GenAI Apps with Gemini and Streamlit
  - Introduction to Large Language Models
  - Generative AI Fundamentals
  - Analyze Images with the Cloud Vision API
  - Cloud Speech API: 3 Ways
- Cloud Infrastructure & Deployment
  - Cloud Functions: 3 Ways
  - App Engine: 3 Ways
  - Networking Fundamentals on Google Cloud
  - Monitoring in Google Cloud
  - Get Started with Pub/Sub, Cloud Storage, API Gateway, Dataplex, Looker
  - The Basics of Google Cloud Compute
- Tools & Workspace
  - Get Started with Google Workspace Tools

Achievements

- Participated in Smart India Hackathon (SIH), tackling real-world engineering challenges under tight deadlines.
- Selected and actively contributed to the KPIT Sparkle Hackathon, developing an innovative gesture-controlled automation system.
- Contributed to the official website development for Neuroverse event, enhancing UI/UX and user engagement.
- Consistently maintaining strong academic performance while balancing project and hackathon participation.