

HARIOM YADAV

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➤ Objective

Innovative and driven AI enthusiast pursuing a B.Tech in AIML, with hands-on experience in building real-world AI applications across NLP, computer vision, and generative models. Eager to join a forward-thinking team as an AI Product Intern to contribute to the design and deployment of scalable AI solutions. Passionate about leveraging emerging technologies to optimize product performance, automate workflows, and enhance cross-functional decision-making.

➤ Skills

- **Programming Languages:** Python, C, C++
- **Machine Learning & AI:** TensorFlow, Keras, PyTorch, OpenCV, OpenAI API, LangChain
- **ML Techniques:** Deep Learning, NLP, Image Processing, LLMs, Predictive Analytics
- **IoT & Embedded Systems:** Arduino, ESP32, Raspberry Pi, MQTT, Sensor Networks

➤ Education

- **JSPM University, PUNE**, B-Tech in Artificial Intelligence and Machine Learning (Pursuing) Sept 2023 – May 2026
- **KBP Polytechnic Satara**, Diploma in Electronics and Telecommunication Sept 2020 – May 2023
- **YCIS Satara**, 12th HSC Science (PCMB) June 2019 – Feb 2020
- **Anant English School Satara**, 10th SSC June 2017 – Feb 2018

➤ Experience

- **IBM National Hackathon 2024 – Participant** sept 2024
 - Designed a token generative chatbot similar to Google Gemini using OpenAI's GPT models. Integrated NLP, conversation flow logic, and deployed a prototype showcasing AI automation capabilities.
 - Built the chatbot and user interface using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** for seamless interaction.
- **IoT Engineer Intern**, Apron Technology – Satara, Jan 2023 – Aug 2023
 - Collaborated on AI-enabled IoT projects. Integrated sensor data with Python-based analytics. Explored real-time anomaly detection using machine learning.
 - Developed and tested various IoT projects using **Arduino and Raspberry Pi**
- **PCB Designer and Manufacturing Intern** – Apron Technology, Satara July 2021 – Aug 2022
 - Designed **Printed Circuit Boards (PCBs)** and assembled electronic components.
 - Conducted **circuit board printing and manufacturing** for multiple projects.

➤ Projects

- **Complaint Management System with Chat bot and Ticket Generation**
 - Develop a chat bot for receiving complaints.
 - Generating Tickets for complaints and update the database.
 - Tools Used: MERN Stack, Python
- **Object Detection Using YOLO**
 - Developed a real-time object detection system using the YOLO (You Only Look Once) algorithm.
 - Implemented YOLOv3 model for high-speed and accurate object detection across various image and video streams.

- Tools Used: Python, Raspberry Pi
- **Voice Recognition and Conversion into Text**
 - Developed a machine learning-based system for real-time speech-to-text conversion and speaker identification.
 - Achieved over 80% accuracy in speech recognition across different environments and speakers.
 - Tools Used: Python, Raspberry Pi
- **AI Based Face Recognition Based Attendance System**
 - Developed an AI system for face recognition-based Attendance System using deep learning techniques. Implemented real-time detection and recognition with OpenCV and trained CNN models using TensorFlow and Flask
 - Tools Used: Python, OpenCV, TensorFlow, Flask.

➤ **IoT Projects**

- **IoT Based Abdomen Retractor for Surgery** –Team leader
- **Garbage Collector Boat for Lakes and River** – Team leader
- **Digital IC Tester using Arduino mega 2560** –Team leader
- **Smart Agriculture Robot AI**
- **Collosion Avoidance Robot With AI**

➤ **Certificates**

- **Diploma Course in Graphics and Office Automation**
- **Certificate Course in C C++**
- **IBM Professional Skills**
- **Cyber Security Certification Course**
- **Power BI Certification Course**
- **Python Certification Course**

➤ **Languages**

- **English**
- **Hindi**
- **Marathi**

➤ **Interests**

- **IoT Projects Development**
- **IoT Research and Development**
- **Learning New Technologies**