APURVA ADHAV

B.Tech in Artificial Intelligence & Machine Learning

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OBJECTIVE

Highly motivated B.Tech student specializing in Artificial Intelligence and Machine Learning with hands-on experience in Python, IoT, and full-stack development. Successfully built real world projects and scalable web platforms. Eager to apply technical and problem-solving skills in a dynamic internship role.

EDUCATION

B.Tech in CSE (Artificial Intelligence & Machine Learning) (Expected 2027)
Sanjivani University **CGPA (3rd Sem): 8.86**

Diploma in Computer Technology (2021-2024)
Sanjivani KBP Polytechnic **Percentage: 89.09%**

Secondary School Certificate (2021)
Sanjivani Academy **Percentage: 81.60%**

SKILLS

- **Programming Languages:** Java, Python, C, C++, HTML, CSS, JavaScript
- **Databases:** MySQL
- **DevOps and Devolopment:** Docker, CI/CD pipelines
- **Tools:** Visual Studio Code, Git
- **Core Computer Science:** Data Structures and Algorithms, OOP, OS, Networking
- **IoT:** Arduino, Raspberry Pi, ESP32, Open CV
- **Foreign Language:** Japanese

INTERNSHIP

Origin Software Solution, Kopargaon

Web Development Intern (Jun 2023 - Jul 2023)

- Developed responsive web pages using HTML, CSS, and JavaScript.
- Integrated Firebase for real-time data storage and hosting.
- Gained practical experience in front-end development and project collaboration.

PROJECTS

AI-Powered Autism Support System

- Built an AI-based tool to recognize and respond to emotional cues in children with autism.
- Utilized facial recognition and NLP for real-time emotion detection.
- Implemented **machine learning algorithms** for emotion classification and **Raspberry Pi** and **ESP32** for portable deployment.
- **Technology Used:** Python, OpenCV, Raspberry Pi, ESP32, Machine Learning.

Medical Store Management System

- Designed a full-stack web application for real-time inventory, billing and invoice generation in medical stores using **Django** and **MySQL**.
- Enabled automatic inventory updates and user management features for streamlined store operations.
- Utilized **MySQL** for efficient database management, with **XAMPP** for local development and testing.
- **Technology Used:** Django, Python, HTML, CSS, JavaScript, MySQL, XAMPP.

Solar Tracking System

- Developed an automated system to align solar panels with the sun for improved energy capture.
- Improved energy efficiency by ensuring maximum sunlight exposure.
- Implemented real-time feedback using **LDR sensors** and **servo motors** controlled by **ESP32**.
- **Technology Used:** Arduino, LDR Sensors, Servo Motors, Embedded C.

Digitizing Devotion - Vitthal Rukmini Trust Website, Pandharpur

- Designed and launched a responsive website for promoting religious events and facilitating online donations, improving accessibility for devotees.
- Integrated a robust backend to efficiently manage high traffic during peak devotional events.
- **Technology Used:** HTML, CSS, JavaScript, Firebase (Database).

CERTIFICATIONS

- Programming in Python
- IBM Cloud Fundamental
- IBM DevOps Fundamental
- NPTEL Certification (DBMS)
- Predictive Modeling with IBM SPSS Modeler

ACHIEVEMENTS

- CARNIVAL 2K24 - Paper Presentation
- PROJIT Project Competition
- CARNIVAL 2K24 - Project Presentation
- DIPEX-2025
