

DHRUVAL ANANDKAR

(408) 593-4808 | dhruvalabroad@gmail.com |  

SKILLS

Functional Skills: Teamwork and Collaboration, Analytical Skills, Technical Support, Customer Service.

Technical Skills:

- **Programming Languages & Databases:** Python, Java, C, JavaScript, PHP, MySQL

- **AI/ML Tools & Web Development:** HTML/CSS, JavaScript, Git, Docker, Kubernetes, NPL, IBM Watson

EDUCATION

Bachelor's in Computer Science, Honor's Program

Ashland University, Ashland, Ohio

Expected 2026

3.60 GPA

Diploma in Computer Engineering

Parul University, Vadodara, Gujarat, India

May'20 - May'23

4.0 GPA

WORK EXPERIENCE

Ashland University – Ashland, Ohio, USA

October'24 – Present

Student Research Team Leader

- Developed an **AI-driven IoT system** with real-time monitoring of soil moisture and sunlight exposure, providing data analytics for sustainable crop management.
- Developed a **machine learning-based** crop recommendation engine that analyzes environmental data to recommend optimal crops, improving yield and operational efficiency.
- Designed an intuitive interface for **AgriSense**, featuring predictive alerts to enable proactive decision-making in irrigation, crop selection, and resource allocation.

Smith Structure India Pvt. Ltd. – Kheda, Gujarat, India

December'22 - January'23

Technology Support Intern

- Improved deployment efficiency by 30% with **Kubernetes and Docker**.
- Provided technical support for Oracle databases, **Java applications**, hardware resolving 95% of issues for 150+ employees.
- Assisted with setup and configuration of meeting room technology, enhancing setup time by 30% for 50+ employees.

Gujarat State Electricity Corporation Limited (GSECL) - Wanakbori, Gujarat, India

April'22 – May'22

IT Support Specialist

- Enhanced IT projects with Java programming, boosting system performance by 25%.
- Repaired computers and troubleshoot hardware, resolving 90% of network issues for 100+ employees.
- Developed web pages using **PHP and XAMPP**, improving web functionality by 40%.

PROJECTS

NetFlix Clone

October'21 – November'22

- Designed a responsive **Netflix India Clone** using **HTML** and **CSS**, showcasing expertise in web design and UI/UX development.

Voice Assistant with GPT-3 and IBM Watson

October'24 – October'24

- Developed a voice assistant using IBM Watson for speech recognition and OpenAI GPT-3 for natural language processing and response generation.

Water Management (Node MCU, IoT) – Gujarat, India

November'22 – January'23

- Optimized water usage with an automated irrigation system and enabling real-time monitoring for efficient irrigation via Thing Speak data storage.

Data Visualization and Machine Learning on CSV Files, India

May'22 – May'22

- Analyzed CSV data with Python (Pandas, Scikit-learn) and applied ML algorithms in Jupyter Notebook, visualizing results with Matplotlib and Seaborn.

Air Quality Monitoring (Arduino, IoT) - Gujarat, India

December'21 – January'22

- Developed IoT air quality system (Arduino, MQ-series sensors) to detect CO2 & PM2.5. Real-time data to cloud platform for informed actions.

CERTIFICATES & HONORS

Kubernetes, Docker, and OpenShift

CognitiveClass.ai: October'24

Istio and IBM Cloud Kubernetes Services

CognitiveClass.ai: October'24

Data Science with Python

CognitiveClass.ai: October'24

Prompt Engineering

CognitiveClass.ai: October'24

VOLUNTEER WORK

Indian Youth President at Newman Center, Tempe, Arizona, USA

April'24-April'24

Leader at Nitya Sahayak Church, Gujarat, India

December'22 -January'23