Dhruval Anandkar

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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

EDUCATION

Bachelor's in Computer Science, Honor's Program *(Transferred)* — **Expected 2026**
Ashland University, Ashland, Ohio

Bachelor's in Computer Science — **January'24 – April'24**
Arizona State University, Tempe, Arizona — *3.60 GPA*

Diploma in Computer Engineering — **May'20 - May'23**
Parul University, Vadodara, Gujarat, India — *4.0 GPA*

WORK EXPERIENCE

Ashland University – Ashland, Ohio, USA — **October'24 – Present**
Research Assistant

- Developed an **AI-driven IoT system** with real-time monitoring of soil moisture and sunlight exposure, providing data analytics for sustainable crop management.
- Created a **machine learning-powered** crop recommendation engine to analyze environmental data, suggesting optimal crops for enhanced yield and efficiency.
- Designed an intuitive interface with predictive alerts, enabling 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 troubleshot hardware, resolving 90% of network issues for 100+ employees.
- Developed web pages using **PHP and XAMPP**, improving web functionality by 40%.

PROJECTS

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 - May22**

- 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 CO_2 & PM2.5. Real-time data to cloud platform for informed actions.

CERTIFICATES & HONORS

Kubernetes, Docker, and OpenShift	**CongnitiveClass.ai: October'24**
Istio and IBM Cloud Kubernetes Services	**CongnitiveClass.ai: October'24**
Data Science with Python	**CongnitiveClass.ai: October'24**
Prompt Engineering	**CongnitiveClass.ai: October'24**

VOLUNTEER WORK

Indian Youth President at Newman Center, Tempe, Arizona, USA — **April'24-April'24**

- Organized initiatives to promote cultural awareness and community engagement among youth.

Leader at Nitya Sahayak Church, Gujarat, India — **December'22 -January'23**

- Managed database recovery using Kaspersky and Retrospect; facilitated team-building activities.