# EDUCATION

ADITYA KALKUR

+91 9483530620 ⋄ [aduk2003@gmail.com](mailto:aduk2003@gmail.com) ⋄ [Linkedin](https://www.linkedin.com/in/aditya-kalkur27/)

**Kammavari Sangha Institute of Technology (VTU) Dec 2021-May 2025** *B. Tech in Artificial Intelligence &Machine Learning Bengaluru, India*

# SKILLS

**Programming Languages:** Python, JavaScript, SQL, HTML, CSS, MongoDB, REACT.js

**Frameworks & Libraries:** Pandas, NumPy, Scikit, LLM’s, OpenCV, RAG model, TensorFlow

**Tools:** VS Code, Git, Jupyter Notebook, WordPress, Cursor AI, Github, N8N

**Specializations:** Machine Learning, AI, NLP, Deep Learning, Data Science, Full stack development

**Interpersonal Skills:** Strong Communication, Teamwork, Independent, Dedicated, Motivated

# WORK EXPERIENCE

**SDE Intern, *POSSPOLE* Feb 2025 - present**

* Working on AI/ML projects, gaining hands-on experience in Full stack development, model development,

and problem-solving while enhancing technical and web Dev skills.

**IoT Developer, *Cranes Varsity* Sep 2023 - Dec 2023**

* Directed 4-member team to build ESP32/ultrasonic sensor solution with 95% detection accuracy.
* Fixed sensor/Wi-Fi issues to reduce false readings by 20%.
* Automated lighting via motion sensors in low-traffic zones.

# PROJECTS

## Closet Care Buddy– AI-Powered Wardrobe Management Oct 2023

* Developed a smart wardrobe management solution integrating AI and IoT.
* Enables users to digitally catalog clothing, receive maintenance reminders, and get smart outfit recommend- dations based on weather and preferences.
* Ideal for busy professionals, eco-conscious individuals, and fashion enthusiasts, promoting sustainable fashion practices.

## AI Proctored Examination Module for HR system Mar 2025

* Developed an AI-powered proctored examination module for HR systems, integrating real-time audio analysis, facial monitoring, and speech behavior tracking to ensure secure and fair online assessments.
* Utilized Librosa, Mediapipe, SpeechBrain, Node.js + Express, Keras, PyTorch, **Page Visibility API,** REST API, and Hugging Face to implement intelligent proctoring features including anomaly detection, live candidate monitoring, and voice-based behavior analysis.

## Career Guidance Website Jan 2024

* Developed a full-stack website incorporating a machine learning model using the Decision Tree algorithm, aimed at generating personalized career guidance prompts based on individual areas of interest.
* Designed and optimized the system, delivering enhanced functionality for career path recommendations.

## Face Recognition Automated Attendance System Jul 2024

* Developed a Face Recognition Automated Attendance System to streamline attendance tracking and enhance

security.

* The project leveraged machine learning algorithms, high- resolution cameras, and real-time data processing to provide an accurate and efficient solution against spoofing for automating attendance and monitoring access.

# CERTIFICATIONS

* Udemy: Complete Python Bootcamp by Jose Portilla
* Navan AI: No-Code Computer Vision AI Model Development.
* Cranes Varsity: IoT Edge Node and Gateway