NIKHIL DUSA

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Education

Trinity College of Engineering and Technology,Karimnagar, B. Tech in Artificial Intelligence & Machine Learning (AIML)   June 2023 – July 2026

Govt.Polytechnic college,Narayankhed, ,Diploma in Electrical and Electronics Engineering (EEE)   Aug 2019 – July 2022

Projects

Vibe Voice – Emotion Detection and Mood Enhancer   github.com/Vibevoice

- Built a speech-based emotion recognition system using deep learning in Python.
- Classified emotions from audio input and generated mood-based content recommendations.
- Improved user engagement by adapting system responses based on detected emotions.

CodeSnap – E-Book Store Platform   github.com/codesnap

- Designed and deployed a full-stack e-book marketplace using Flask and SQLite.
- Implemented secure UPI-based payment flow and user authentication.
- Enabled book browsing, purchasing, and downloads via a clean UI.

virtual-drawingapp - Gesture-Based Virtual Drawing   github.com/virtualdrawing

- Developed a real-time hand-gesture drawing system using OpenCV and MediaPipe.
- Enabled users to draw digitally using webcam-based hand tracking.

EXPERIENCE

Web Development Intern, Skill Intern - AICTE Internship Program

- Gained practical knowledge in Full Stack Web Development using HTML, CSS, JavaScript, and backend.
- Built responsive web pages and simple web applications as part of project-based learning.

Artificial Intelligence Intern–CODTECH IT Solutions Pvt. Ltd

- Completed a 4-week AI-focused internship with strong performance and dedication.
- Worked on AI-based mini projects during internship.
- Assisted in developing and testing Python-based solutions.

Technical Skills

- **Languages:** Python, Java
- **Web Technologies:** HTML,CSS,JavaScript,Flask
- **AI/ML:** Machine Learning, Deep Learning, MediaPipe, OpenCV
- **Database:** MySQL ,SQLite
- **Tools:** Visual Studio Code, Google Colab, Jupyter Notebook
- **Soft Skills:** Positive Work Ethic, Quick Learning Capability, Team Leading

ACHIEVEMENTS

- Semi-finalist in the Innovation Marathon (EduNet Foundation) as a core team contributor.
- Awarded an AI internship offer by CodTech IT Solutions Pvt. Ltd.