

# Drashti Solanki

Valsad, Gujarat

[drashtitakhtsinhsolanki@gmail.com](mailto:drashtitakhtsinhsolanki@gmail.com)

[GitHub](#) — [LinkedIn](#)



## Profile

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Computer Science Engineering student specializing in Artificial Intelligence, Machine Learning, and Automation. Passionate about building real-world intelligent systems including OCR automation and computer vision applications. Strong foundation in problem-solving and AI-driven solutions.

## Technical Skills

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- **Languages:** Python, C/C++, Java, JavaScript
- **AI/ML:** TensorFlow, Keras, Scikit-learn, OpenCV
- **Computer Vision:** MediaPipe, Image Processing, Gesture Recognition
- **Web Development:** HTML, CSS, JavaScript, Flask, FastAPI
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook, Linux
- **Core CS:** Data Structures, Algorithms, DBMS, Operating Systems
- **Automation:** UiPath, Workflow Automation

## Projects

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### Invoice OCR Automation System

- Developed an AI-powered OCR system to extract structured invoice data from images and PDFs
- Integrated text recognition with automated data parsing for real-world workflows
- Built and deployed a live application using Streamlit
- [GitHub](#) — [Live Application](#)

### AirCanvas – AI Air Drawing System

- Built a gesture-based drawing system using OpenCV and MediaPipe
- Implemented real-time hand tracking and fingertip detection
- Designed features like color selection, erasing, and smooth drawing
- Created a touchless human-computer interaction experience

### AI/ML Project (In Progress)

- Developing an AI-based system focused on solving real-world problems
- Exploring model building, optimization, and deployment techniques

## Education

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### Bachelor of Engineering in Computer Science

Government Engineering College, Patan

2023 – 2027

## **Strengths**

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- Strong analytical and problem-solving skills
- Hands-on experience in AI/ML projects
- Ability to build practical, real-world solutions
- Continuous learner with strong technical curiosity

## **Interests**

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Artificial Intelligence, Machine Learning, Computer Vision, Automation