

# SATWIK NARWA

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## SUMMARY

AI & Full-Stack Developer with hands-on experience in building scalable web applications and deploying machine learning solutions. Proficient in Python, Django, React, and REST API development with a strong track record of delivering production-ready projects during internships and personal work. Passionate about leveraging AI to solve real-world problems and continuously learning emerging technologies.

## EDUCATION

### Institute of Aeronautical Engineering, Hyderabad

B.Tech. in Computer Science and Engineering (AI & ML) (CGPA: 6.96/10)

Nov 2021 – Jun 2025

Hyderabad, Telangana

## EXPERIENCE

### Aagama Consulting Services

Full-Stack Developer Intern

Apr 2025 – Present

Hyderabad, Telangana

- Built and optimized REST APIs using **Django, Flask, and FastAPI**, improving scalability and reducing response time.
- Designed, tested, and documented API endpoints using **Postman**, ensuring seamless integration with frontend modules and reducing debugging time.
- Implemented CRUD operations and optimized **MongoDB queries**, improving data retrieval efficiency.
- Developed a dynamic admission portal using **React, Node.js, and EJS**, enhancing navigation and user experience.
- Automated PDF/document generation by integrating EJS templates with backend data.

## TECHNICAL SKILLS

**Programming Languages:** Python, Go, JavaScript

**Web Technologies:** HTML, CSS, React, Tailwind CSS

**Backend Frameworks:** Django, Flask, FastAPI

**Databases:** MySQL, MongoDB

**Libraries & Tools:** NumPy, Pandas, OpenCV, Postman, Git, GitHub, MySQL Server

**Core Expertise:** REST API Development, Authentication (JWT), Machine Learning, AI Integration, Data Visualization

## PROJECTS

### CoverGenie – AI-Powered Cover Letter Generator | *Django, React, Tailwind CSS, OpenAI API, Rest API* | GitHub Repo

- Developed a full-stack web application that generates tailored cover letters from user resumes and job descriptions using AI.
- Implemented secure authentication with JWT and built REST API endpoints for user interaction.
- Designed a responsive frontend with **React + Tailwind CSS** for smooth user experience.
- Deployed the application for public access, making it production-ready with plans for monetization.

### Real-Time Face Emotion Recognition | *Python, CNN, OpenCV, Pandas* | GitHub Repo

- Trained a **CNN model** on FER-2013 dataset to classify four basic emotions with high accuracy.
- Integrated live webcam feed with **OpenCV** for real-time predictions.
- Optimized inference speed to achieve low-latency performance on mid-range hardware.

### Student Management REST API | *Python, Flask, MongoDB, PyMongo, Postman*

- Built a RESTful API with Flask + MongoDB, enabling full CRUD functionality for student records.
- Implemented validation logic to prevent duplicate entries and ensure data integrity.
- Added robust error handling for 404/405 errors and extensively tested endpoints with Postman.

## CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate (Oracle University)
- Microsoft Certified: Data Analyst Associate with Power BI (Udemy)
- Python: Learning Python (LinkedIn Learning)
- Intel® Unnati AI Course Workshop (Intel® Unnati Lab)