

# Prasanna patil

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## PROFILE

Aspiring Backend Developer with experience in Python, Django, Flask, Redis, Celery, and SQL/MongoDB. Skilled in building RESTful APIs, task queues, and scalable backend systems. Passionate about solving real-world problems through efficient, data-driven solutions.

## EDUCATION

Dr. D. Y. Patil School of Science & Technology

Pune, India

**B. Tech in Artificial Intelligence and Data Science**

2022 – 2026

## SKILLS

**Technical:** Python, SQL, Web Development, AI/Machine Learning, Data Analytics, API Development, Computer Vision

**Tools:** TensorFlow, OpenCV, YOLO, Git, Docker, PostgreSQL, MySQL, MongoDB, Agile, REST APIs, Redis, Celery.

## CERTIFICATIONS

Machine Learning & Data Science Using Python

Infosys Springboard

- Developed expertise in data preparation, ML model building, and evaluation using Python for data-driven decision-making.
- Mastered data cleaning, visualization, and exploratory analysis, building a strong foundation in AI and data science

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

Oracle University

- Demonstrated proficiency in Generative AI fundamentals, LLM architecture, prompt engineering, and responsible AI practices on OCI.
- Built understanding of deploying AI-driven solutions using Oracle Cloud services with a focus on scalability, security, and performance.

IgniteX Program Participant

Wadhvani

- Built a structured startup plan focused on AI-driven educational tools, defining product scope, conducting user research, and developing a clear value proposition. Created a detailed project timeline and outlined a potential go-to-market strategy.

## EXPERIENCE

**AI/ML Intern – Shivohini TechAI LLP**

Sept 2025 – march 2026

- Built client-facing conversational AI systems using LLaMA and OpenAI APIs, designing structured dialogue flows for customer queries, appointments, and payments
- Developed end-to-end WhatsApp automation using the Meta WhatsApp Business API, including webhook handling, message templates, and production-ready workflows
- Integrated LLMs with databases (MySQL → Supabase/PostgreSQL) and collaborated with stakeholders to deliver scalable, integration-ready AI solutions

**Computer vision Intern –Zuneko Labs**

march 2026 – June 2026

- Built a real-time person detection and tracking pipeline using CCTV feeds, implementing frame-by-frame object detection and multi-frame tracking to maintain identity consistency across video streams
- Designed and deployed a WhatsApp-based document ingestion system using the WhatsApp Business API, automatically extracting media from group chats and uploading to cloud storage (Google Drive)
- Engineered a fault-tolerant recovery mechanism to backfill missed files during downtime, network failures, or crashes, ensuring zero data loss and consistent document synchronization

## PROJECTS

**CCTV Analysis for Crime and Crowd Management**

Sep 2023

- Developed a CCTV-based crime and crowd management system using Python, OpenCV, and Machine Learning for real-time detection and alerts.
- Implemented crowd counting, crime detection, and facial recognition, storing data in MongoDB and triggering alerts via Twilio API.
- Enhanced public safety monitoring with AI-driven automated surveillance and WhatsApp notifications.

**Speech Sentiment Analysis**

Mar 2025

- Developed a Speech Emotion Recognition (SER) model using CNN, LSTM, and CLSTM to classify emotions from speech data.
- Trained on CREMA-D, RAVDESS, TESS, and SAVEE datasets, achieving 93.27% accuracy with CNN-based deep learning.
- Implemented real-time emotion detection from live speech input, improving AI-human interaction for customer service and healthcare.

## ACHIEVEMENTS

- Competed in multiple AI and innovation hackathons including Smart India Hackathon (2023), GUVI AI Impact Buildathon (2026), and Google Build and Grow AI Hackathon (2026)