Sanket Sadadiya

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SUMMARY

A passionate and skilled **backend developer** with experience in building **web applications and AI**-based tools, specializing in **Node.js, Python, and machine learning**. Seeking opportunities to apply expertise in backend development, API design, and AI-driven solutions to create impactful and efficient software applications.

WORK EXPERIENCE

LDCE Placement Cell

Backend Developer   Aug 2024 - Feb 2025

- Designed and developed the **backend** for the college's placement cell portal using **Node.js, Express.js, and PostgreSQL**, ensuring efficient data management, scalability, and optimized performance.
- Implemented secure **user authentication** and authorization using **JWT**, enabling **role-based access** control for students, TPOs, and administrators.
- Integrated robust **API endpoints** and database schemas to facilitate seamless communication between the frontend and backend, ensuring a smooth user experience.

Infosys Springboard

AI Intern   Oct 2024 - Dec 2024

- Developed a **Streamlit**-based application that automatically **generates short highlight reels** from uploaded videos using OpenAI **Whisper** for **audio transcription** and GPT for content summarization. Integrated video processing with **FFmpeg and MoviePy**, enabling **customizable resolutions** and seamless reel downloads for enhanced user experience.

PROJECTS

E Ticket ↗

- Designed and created an E-Ticket management system for BRTS, enabling users to **purchase and manage bus tickets online** with an intuitive interface for selecting bus stops. Built using **React JS, and TypeScript** for a responsive frontend, and implemented a secure backend with **Node JS, Express JS, MySQL**, and Stripe for seamless payment processing.

Billing System ↗

- Developed a Bread Billing System web application with **role-based user management**, automated invoice generation, and a customer database for efficient order tracking. Implemented a frontend using **React.js and Bootstrap**, with a secure backend powered by **Node.js, Express.js, MongoDB, and JWT** authentication.

WhatsApp Chat Analyzer ↗

- Developed a **Python**-based WhatsApp Chat Analyzer using **Streamlit, Pandas, and Matplotlib** to visualize key **chat statistics**, including message counts, word usage, and media sharing. Implemented **interactive graphs** to analyze chat activity **trends** and identify the **most active** participants in group conversations.

Sunglass Detection ↗

- Developed a **glass detection** system using Convolutional Neural Networks (CNN) and **transfer learning with VGG16** for accurate **feature extraction** in Keras. Trained and optimized the model to efficiently detect and **classify the presence of glasses in facial images** with high accuracy.

SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Java, Python
Frontend: Bootstrap, React JS, Streamlit
Backend: Node JS, Express JS, Flask
Database: MongoDB, MySQL, PostgreSQL, Redis
Machine Learning: Numpy, Pandas, Sci-kit Learn, TensorFlow, Keras
Tools: Jupyter Notebook, Git/GitHub, Postman, VSCode

EDUCATION

LD College of Engineering

Bachelor of Engineering in AIML - 9.15   Aug 2023 - July 2026

Dr. S.&S.S. Gandhi College Of Engineering

Diploma in Information Technology - 9.6   Sep 2020 - July 2023

CERTIFICATES

Postman - API Fundamentals Student Expert ↗

DeepLearning.AI - Machine Learning Specialization ↗