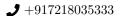
Aadilnawaz Shaikh

Pune, Maharashtra



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Education

Vishwakarma Institute Of Technology, Pune

B.tech in Artificial Intelligence and Data Science

Sri Chaitanya junior college, Aundh

Nov 2020 - March 2022

Nov 2022 - June 2026

Higher and Secondary Education in Science

Percentage: 90.83

CGPA-8.63

R.M.Dhariwal English Medium School, Shirur

June 2019 - March 2020Percentage: 87.80

Secondary and Higher Secondary Education

Relevant Coursework

• Data Structures

• OOP

• Artificial Intelligence

• Computer Architecture

• Software Methodology

• Database Management

• Computer Network

• Machine Learning

Technical Skills

Programming Languages: Python, JavaScript, C/C++, HTML/CSS, Bash

Data Science & ML/DL: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch, OpenCV, Transformers, CLIP,

BART, Streamlit

Web & Frameworks: Node.js, Express, Flask

DevOps & Tools: Git, GitHub, Docker, Linux, Firebase, Postman

Database & Cloud: Firebase Firestore, SQL, NoSQL

Geospatial & Mapping: Shapely, KML, Google MyMaps, Geospatial Mapping APIs

Validation & Testing: PyTest, Unit Testing, Black-box/White-box Testing

Projects

Deepfake Image Detection using machine learning | PyTorch, Streamlit, OpenCV, Git/GitHub

March 2024

- Developed a web application for detecting AI-generated (deepfake) images using the ResNet-50 model, ensuring high accuracy in classification.
- Designed an intuitive Streamlit-based interface for image upload and real-time classification with confidence scores.
- Implemented both white-box and black-box testing techniques to evaluate model robustness and improve generalization.

SmartNewsPost | Python, OpenCV, GPT/BART, Flask, REST API

July 2024

- Developed a comprehensive AI-driven system for automating the summarization and publication of news articles, ensuring efficient content management and distribution.
- Integrated OpenCV and image retrieval APIs to automatically fetch and attach relevant images to the summarized articles, improving visual engagement.
- Built and deployed a web interface using Flask, enabling real-time publishing of summarized content directly to a forum website via REST API integration.
- Conducted extensive testing and validation to ensure the system's accuracy, reliability, and user-friendly experience, resulting in a significant reduction in manual content processing time.
- Handled synchronization challenges and ensured a consistent user experience across different clients.

Geo-Clean | React JS, Node JS, Geospatial Mapping, KML, Mongo DB Atlas, Google MyMaps, GitHub

Feb 2025

- Developed a full stack geospatial complaint management system for Pune Municipal Corporation (PMC), mapping 15 wards and Mukaddam areas using KML data and GIS.
- Implemented CLIP to verify user complaints via images and workers' responses.
- Implemented polygon-based geolocation detection using Shapely to automatically assign complaints to the correct Sanitary Inspector and Mukaddam based on latitude and longitude.

Mech Q&A Bot | Python, Hugging Face, LangChain, ChromaDB, Ollama

March 2025

- Developed a Retrieval-Augmented Generation (RAG) chatbot for mechanical engineering using a fine-tuned Llama 3.2-1B model.
- Automated data collection, cleaning, and formatting for domain-specific training.
- Integrated ChromaDB vector search and LangChain for semantic retrieval and context-aware answers.
- Enabled real-time, accurate responses to technical queries through an interactive interface.