Shounak Khadilkar

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Summary

I'm a Computer Engineering student with a keen interest in Software Engineering. I have a constant willingness to learn and believe in my soft skills as much as my technical abilities. I'm determined, driven, and always ready to tackle new challenges.

EDUCATION

University of Mumbai | **Vidyalankar Institute of Technology**   *GPA: 9.36/10*
Bachelor of Technology in Computer Engineering (Honors in AI-ML)   *Aug 2026*

PROJECTS

Self-Aligning Telescope   Jan 2023 - Mar 2023
- Designed a PostgreSQL database using Psycopg2 to store astronomical data including star names, right ascension, declination, and magnitude.
- Imported initial data for 82 stars from a CSV file to facilitate a 3-star alignment process.
- Developed functions to add new entries, modify columns, delete rows by name, clear table data, display the table, and retrieve data for specific stars.

Medical Prediction Website   Jun 2023 - Aug 2023
- Built a Flask-based web app providing predictive tools for brain tumor detection (SVM model), heart attack risk prediction (Random Forest), and diabetes assessment (Random Forest).

Crowd Counting & Resource Allocation Web App   Sep 2023 - Oct 2023
- Developed a Streamlit app using a custom CNN model to estimate crowd size from uploaded images.
- Suggested security and medical staff requirements based on crowd density levels and displayed high-density areas within images.

Indian Sign Language Recognition System   Nov 2023 - Dec 2023
- Created a system for recognizing Indian Sign Language gestures using OpenCV and Mediapipe for real-time gesture detection.
- Collected and labeled a custom dataset of gestures and applied data augmentation techniques like rotation and contrast adjustments to improve model accuracy.

SKILLS

Web Development Technologies: HTML, CSS, JavaScript, ReactJs, jQuery, Streamlit, Flask
Programming Languages: Python, C++, Java
Libraries/Frameworks: Numpy, Scikit-Learn, pandas, TensorFlow, Mediapipe, OpenCV, Tkinter, Pickle
Querying/Database Technologies: PostgreSQL, PhpMyAdmin, XAMPP, SQLite3, psycopg2

CERTIFICATIONS

Beginning C++ Programming - From Beginner to Beyond | Udemy
Data Analysis with Pandas and Python | Infosys
Machine Learning | SimpliLearn — SkillUP
Introduction to Artificial Intelligence | Infosys
Data Mining | Great Learning
CCNA Exam Preparation | Infosys
Google Cloud Computing Fundamentals | Google
Generative AI | Google

EXPERIENCE

Webmaster | Computer Society of India - VIT Chapter   Aug 2024 - Present
Student Intern | Indian Institute of Management Mumbai   Jun 2024 - July 2024
Social Service Internship | Cyberfrat   Oct 2023