Tanmay Shinde

Python Programmer | Full-Stack web developer

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Summery

A skilled full-stack developer with expertise in Django for web development and Flutter for cross-platform application development. Adept at crafting scalable, user-centric solutions, integrating emerging technologies, and solving complex problems with creativity and precision. Committed to delivering high-quality digital products that enhance functionality and the user experience.

Internship

JPMORGAN CHASE & CO. 2025 Mar – 2025 Apr

Software Engineer

- Completed a job simulation program by J.P. Morgan, focusing on practical software engineering tasks.
- Implemented a system to track and display transaction data using RESTful APIs.

Skills: Java, Spring Boot, Kafka, REST APIs, H2 Database, Backend Development

Skills

- Django
- OpenCV
- Pandas
- Flutter
- SQLite
- SQL
- Front End development
- Database Management
- Data management
- Python Programming
- Github
- Matplotlib

Projects

Web Application

Designed and constructed a full-stack web application

Technologies: HTML5, CSS, JavaScript, Django, and SQLite.

link: https://github.com/tanmaysshinde22082002/WebApplication.git

- **Engineered a full-stack web application** using Django, HTML, CSS, and JavaScript, featuring a secure authentication system and optimized database queries, improving data processing speed by **20%.**
- Designed an intuitive **UI/UX interface**, enhancing user engagement and contributing to a **25% increase in user retention** post-deployment.

Face Detection Attendance System

Built a face detection-based attendance system.

Technologies : OpenCV , Django , HTML, CSS , Javascript and SQLite

https://github.com/tanmaysshinde22082002/AI-Face-detection-Attendance-system.git

- **Designed and implemented a face detection attendance system** using Python, OpenCV, and TensorFlow, achieving **95%+ facial recognition accuracy** in various lighting conditions.
- Integrated a secure database for real-time attendance tracking, reducing manual effort by 80% and improving record management efficiency.

Education

Sanjay Bhokare Group of institutes Miraj 2021 – 2024
B.Tech Miraj, India
CGPA : 8.27

Certificates

Python Programming Certification
Great Learning | 2022
Completed a comprehensive course on Python programming, covering fundamental and advanced concepts such as data structures, object-oriented programming, file handling, and real-world applications.

Achievement

District winner 2024
Maharashtra Goverment
State Innovation Competition Winner
Recognised by the Maharashtra Government for developing an innovative solution in the Med-Tech field that addresses real-time health report issues and awarded a cash prize of ₹1,00,000. Selected for the state-level competition, demonstrating exceptional problem-solving skills and technological innovation.

Publications

FACE ATTENDANCE SYSTEM 2024 Mar
International Journal of Innovative Research in Science and Engineering.
Engineered an AI-driven attendance system that integrates OpenCV, Django, and SQLite to automate identity verification through facial recognition. The system implements Fisher Face and LBPH algorithms, optimizing recognition precision across diverse lighting conditions and facial orientations. The research underscores the elimination of proxy attendance, enhanced security, and seamless scalability in institutional and corporate environments.