# Vikas Pandit

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## SUMMARY

Iam a ComputerEngineering student passionate about technology and problem-solving, with a strong foundation in Python. Known as a quick learner and team player, I aim to grow through real-world experience in a collaborative environment.

## TECHNICAL SKILLS

**Programing Langunage**:Python, SQL, Data structure and Algorithms

**Frameworks & Web Development:** Django, FastAPI, HTML, CSS

**API Development:** RESTful API, CRUD Operations, JSON-based APIs

**Libraries & Tools**: NumPy, Pandas, Matplotlib, Streamlit

**Tools & Technologies**:Cloud Basic (AWS), Git, Github

## EDUCATION

**Shah&Anchor Kutchhi Engineering College** 2022 - Present

Bachelor of Technology in Computer Engineering

CGPA: 7.23 (Till Semester 6)

**Arathi Shashikiran Shetty Junior College** March 2022

HSC – Maharashtra State Board – 2022

**Vinay HighSchool, Chembur** May 2020

SSC–Maharashtra State Board – 2020

## Projects

**Smart Traffic Violation Detection**

Tech Stack: Python, YOLOv8, EasyOCR, OpenCV, SQLite

- Built an automated system to detect helmet violations and triple riding using YOLOv8 on live CCTV footage.
- Trained a custom YOLOv8 model on Roboflow dataset and executed 50 epochs on Google Colab for high accuracy.
- Implemented EasyOCR for precise number plate recognition from detected frames.
- Added violation logic for helmet detection, rider counting, and automatic challan record generation.
- Designed an offender database with filters, search options, and graphical dashboards, along with organized evidence storage.

**Social Media Engagement Prediction System**

Tech Stack: Python, Pandas, Scikit-learn

- Developed a Multiple Linear Regression model to predict Instagram/YouTube post engagement.
- Considered key features like followers, post type, hashtags, caption length, and previous engagement for accurate predictions.
- Built a user-input-based prediction system to estimate post engagement before publishing.

**Typing Speed Test**

Tech Stack: Python, Time Module

- Built a command-line typing speed test using Python's time and random modules.
- Calculated real-time typing speed and accuracy based on user input and sentence comparison.
- Implemented custom logic to detect typing errors and display results instantly.

## Position Of Responsibility

**Entrepreneurship Cell** | VFX Member

- Edited promotional video for Food Fiesta event, enhancing visual appeal and engagement.

## CERTIFICATES

CISCO – Python Essentials | Infosys Springboard – Tableau | AWS – Cloud Practitioner Essentials
Infosys Springboard – Full Stack Development | Infosys Springboard – Virtualization and Cloud Computing