PRATHAMESH SHINDE

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· GITHUB · LINKEDIN · PORTFOLIO

SKILLS

- **Languages & Frameworks:** Python (Django, FastAPI, Flask, Numpy, Pandas, Seaborn, Matplotlib), SQL
- **DevOps & Cloud:** Docker, AWS, Nginx
- **Data Analytics & ML:** Tableau, NLP, Machine Learning, Statistical Data Analysis

EDUCATION

VCET, MUMBAI UNIVERSITY (CGPA - 8.23) | 2020 – 2024

- **Bachelor of Engineering** in **CSE(Data Science)**
- **Honors** in **AIML**

EXTRACURRICULAR

- **Winner** – Oscillation'24 & VNPS'24
- **Joint Secretary** – E-Cell (Entrepreneurship Cell), VCET
- **Creative Head** – Students Council
- **Organizing Head** – Product Showcase and VNPS Events

CERTIFICATIONS

- **Data Science Intern –** Tech Cryptors
- **Machine Learning Intern –** Bharat Intern (Virtual)
- **100 Days of Code: Python Pro Bootcamp**
- **AI for India 2.0** – National Program
- **Data Analytics and Visualization –** Accenture (Virtual Experience)
- **Business Insights with Tableau –** TATA Group
- **Career Essentials in Gen AI –** Microsoft x LinkedIn
- **Soft Skills Development Program**

WORK EXPERIENCE

Software Developer
Transvolt Mobility Pvt. Ltd.
NOV 2024- PRESENT

- **Developed** and **maintained** scalable backend systems using **Django** and **FastAPI**, powering EV analytics for 200+ vehicles with over 1M data points processed daily.
- Built **automated** reporting workflows, **reducing** manual effort by 30% and delivering key insights to senior stakeholders.
- **Optimized** data access using raw **SQL** and **ORM**, and implemented secure **authorization** across dual backend infrastructures.
- **Deployed** applications using **Daphne** and **Nginx**, improving server reliability and load handling by 20%.

IT Data Analyst/Backend Intern
Transvolt Mobility Pvt. Ltd.
AUGUST 2024 - OCT 2024

- **Contributed to the development** of backend systems by integrating real-time data pipelines and building **RESTful APIs**, which enhanced data accessibility across platforms.
- **Optimized** database performance through efficient **SQL** queries and data modeling, resulting in a **15% improvement** in data retrieval speeds and system responsiveness.
- **Collaborated cross-functionally** to **embed ADAS** (**Advanced Driver Assistance Systems**) modules, such as driver behavior scoring and seatbelt detection, which **elevated overall system intelligence and safety metrics.**

PROJECTS

Intelligent Video Surveillance for Crime Prevention (*R&P link*)
Python, YOLO, CNN+LSTM, HTML

- **Developed** a smart surveillance system leveraging YOLO and a CNN-LSTM hybrid model for real-time anomaly detection.
- **Achieved** high detection accuracy and **triggered live alerts** for suspicious behavior; **designed** an interactive UI using HTML/CSS.

Audio/Text to Sign Language Converter
Python, HTML, CSS, JS, MySQL

- **Integrated** a dual-mode translator with existing communication platforms, providing real-time sign language translation for 30+ users, enhancing inclusivity and user experience.
- **Enhanced accessibility** for the hearing-impaired through an intuitive and responsive user interface.

SMS Spam Detection Using Machine Learning
Python, Pandas, NLTK, HTML

- **Built** a spam classifier using the UCI dataset and Naive Bayes, reaching **over 95% accuracy** in classifying SMS as spam or ham.
- **Showcased** proficiency in **NLP** with regular expressions, scikit-learn, and NLTK.