

SHUBHAM SHINDE

PYTHON BACKEND DEVELOPER

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PROFESSIONAL SUMMARY

Python Backend Developer with 4+ years of experience in building scalable **RESTful APIs** and **microservices** using **FastAPI**, Django, and Flask. Proficient in **SQL** (MySQL, PostgreSQL), **SQLAlchemy**, and backend optimization. Skilled in **Docker**, **GitHub Actions**, **JWT**, **OAuth2**, and data handling with **Pandas** and **NumPy**. Follows clean code practices using **flake8**, **black**, and **pytest**. Seeking a backend-focused role to build secure and maintainable Python applications.

WORK EXPERIENCE

Python Backend Developer | Nimbja Security Solutions Pvt. Ltd | July 2021 – Present

- Developed scalable backend APIs using **FastAPI** and **Flask** with exposure to **Django** for admin dashboards and rapid prototyping.
- Designed and optimized relational databases using **MySQL**, **PostgreSQL**, and managed ORM with **SQLAlchemy**.
- Enhanced API performance by **30%** through code refactoring, caching, and efficient data handling.
- Containerized applications using Docker, hosted on AWS EC2, and used S3 for data storage and retrieval.
- Built Flask-based dashboards using **Jinja2** and integrated them with backend services for reporting.
- Followed **Agile** practices, collaborated across teams, and maintained high-quality code with **pytest**, **flake8**, and **black**.
- Experienced in building **production-ready** backend systems optimized for performance and scalability.

PROJECTS

1. Project Name: Advance Authenticity Verification System (Banking Sector)

(September 2021 – June 2023)

- Designed and implemented a backend fraud monitoring system to detect suspicious transaction patterns from structured banking data.
- Processed and analyzed large datasets using **Python**, **Pandas**, and **NumPy** to flag anomalies and transaction inconsistencies.
- Built a secure, production-ready **RESTful API using FastAPI** to deliver processed data to internal applications.
- Created configurable alert logic and thresholds in the backend to trigger real-time fraud notifications.
- Performed **data cleaning**, **validation**, and preprocessing workflows to ensure data consistency and compliance with quality standards.
- Developed reporting features and admin tools using **Django**, **Flask**, and integrated SQL-based filters using **SQLAlchemy**.
- Documented the API and internal usage guides to support adoption across the organization.

2. Project Name: Customer Review Analysis (E-commerce sector)

(June 2023 – Present)

- Developed a backend system to analyze customer reviews and extract insights from user feedback across product categories.
- Processed large volumes of review data using **Python**, **Pandas**, and **string preprocessing techniques** for cleaning and structuring text input.
- Created custom logic to classify reviews based on rating thresholds and keyword patterns for internal analysis.
- Used **Matplotlib** and **Seaborn** to visualize feedback trends by category, rating, and product type.
- Integrated backend logic with SQL queries and filters using **SQLAlchemy**, enabling flexible search and sorting capabilities.
- Helped improve understanding of customer satisfaction drivers, contributing to data-backed product decisions.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Bash
- **Web Frameworks:** FastAPI, Django, Flask
- **API Development:** RESTful APIs, Token-based authentication (JWT, OAuth2.0), Routing, Middleware
- **Databases:** MySQL, PostgreSQL, SQLAlchemy (ORM), Basic NoSQL concepts
- **Backend Tools & Libraries:** Pandas, NumPy, Requests, Jinja2, JSON, datetime
- **Testing & Code Quality:** Pytest, unittest, flake8, black, isort
- **Deployment & Dev Tools:** Docker basics, Git, GitHub, GitLab, GitHub Actions, VS Code, PyCharm
- **Cloud & Hosting:** AWS (EC2, S3) basics, Environment variable handling, Linux
- **Development Practices:** CI/CD basics, Agile/Scrum, Clean Code
- **Soft Skills:** Communication, Problem Solving, Team Collaboration, Debugging, Time Management

CERTIFICATIONS

- Python (Basic) – HackerRank, 2025
- Python Using AI – AI for Techies, 2025
- SQL Developer – IT Vedant, 2021
- PG in Python Development – IT Vedant, 2021

EDUCATION

- **IT Vedant Pvt. Ltd | Pune, Maharashtra**
Postgraduate Certification in Python Development | 2021
- **Pune University | Pune, Maharashtra**
Bachelor of Engineering (Mechanical) | CGPA: 7.0 | 2017 – 2020