

Vedant Ajit Kadlak

Software Engineer | Python & Full-Stack Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Python-focused software engineer with hands-on experience building **full-stack applications**, specializing in **real-time analytics**, **risk monitoring**, and **data reporting workflows** using FastAPI, Tornado, PostgreSQL, React, and TypeScript. Proven ability to independently design, build, and deploy production-grade systems end-to-end.

EXPERIENCE

Python Developer Intern

Sept 2025 – Apr 2026

Nilee Games & Future Technologies, Borivali, Mumbai

- Developed **real-time data processing pipelines** using OOP to handle high-throughput operational data in live production.
- Optimized asynchronous Python workflows, improving pipeline throughput by **40%** and reducing end-to-end latency.
- Collaborated with cross-functional teams to deploy backend services, participating in code reviews and sprint cycles.

Independent Software Developer

2023 – Present

Self-Developed Projects & Full-Stack Applications

- Conceptualized and engineered **three comprehensive web applications** spanning financial risk, logistics ERP, and governance analytics architectures.
- Built **data integration pipelines** aggregating multi-source data into consistent reporting models using PostgreSQL and FAST APIs.
- Implemented **audit-aware persistence layers** and role-based access controls for compliance-oriented applications.

SELECTED PROJECTS

RiskLens – Governance Analytics & Risk Monitoring

Feb – Mar 2026

Tornado · React · TypeScript · PostgreSQL · SQLAlchemy · Groq LLM [\[GitHub\]](#)

- Built a **real-time operational risk platform** tracking transaction-level metrics and AI-assisted governance summaries.
- Designed **multi-dimensional dashboards** that aggregated risk data into actionable visualizations for decision-making.
- Developed a **modular 3-layer architecture** for ingestion, business logic, and reporting.

Nexora ERP – Real-Time Logistics Platform

Mar – Apr 2026

FastAPI · React · PostgreSQL · WebSockets · SQLAlchemy [\[GitHub\]](#)

- Built an ERP system with KPI dashboards, shipment lifecycle tracking, and finance synchronization.
- Implemented **event-driven WebSockets** for live updates of shipments and analytics without page refreshes.
- Developed **role-based access controls (RBAC)** and responsive UI dashboards for enterprise workflows.

R2T2-FIP – Financial Risk & Transaction Intelligence

Apr – May 2026

FastAPI · React · PostgreSQL · SQLAlchemy · JWT · AWS EC2 · NGINX [\[GitHub\]](#)

- Engineered a **fraud detection engine** scoring transactions in real time against configurable risk thresholds.
- Deployed the full stack on **AWS EC2** with NGINX, PM2, and Let's Encrypt SSL, secured with JWT-based RBAC.

SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), SQL.

Frameworks: FastAPI, Tornado, React, Next.js, SQLAlchemy, Vite.

Backend & Data: PostgreSQL, FAST APIs, WebSockets, Async Programming, OOP, Design Patterns.

DevOps & Tools: AWS EC2, NGINX, PM2, JWT, RBAC, Git, Let's Encrypt SSL.

EDUCATION

B.E. in Computer Engineering, University of Mumbai

2021 – 2025 | CGPA: 7.31

HSC, Hocl Pillai College

2021 | 80%

HIGHLIGHTS

- Winner & Runner-up** – Python & ML Competitions (2022–2024).
- National Participant**, Viksit Bharat 2025; selected to represent among national-level student innovators.
- Certifications:** Advanced Python, Machine Learning Fundamentals.