AAYUSH BORSE

Computer Engineering Student | Software Engineering · Machine Learning · Systems

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PROFILE

Third-year Computer Engineering student at Savitribai Phule Pune University, graduating in 2028. Interested in backend engineering, machine learning systems, software security and cloud-native development. Builds Python-based tools and explores reliable engineering practices including testing, modular architecture, CI and monitoring.

EDUCATION

B.E. Computer Engineering | Savitribai Phule Pune University (SPPU)
2024 – 2028 (Expected) | Third Year

SELECTED PROJECTS

AEGIS — Software Supply-Chain Intelligence & Verified Remediation Engine

Python CLI project for evidence-driven dependency investigation. Discovers supported Python manifests, builds source-aware dependency inventories, queries OSV.dev vulnerability information and generates JSON/Markdown reports. Emphasizes explicit analysis limitations and read-only investigation.
Stack: Python, packaging, OSV.dev, pytest, Ruff.
GitHub: github.com/aayush-borse/aegis

SentinelML — ML Engineering & Monitoring Platform

ML workflow demonstrating reproducible training, data validation, ROC-AUC quality-gated model promotion, FastAPI inference and PSI-based feature drift monitoring. Includes containerized development and an optional AI-assisted incident analyst. **Stack:** Python, scikit-learn, FastAPI, pandas, Docker, pytest.
GitHub: github.com/aayush-borse/sentinelml

Theo / DataForge — Multimodal Annotation & Dataset QA (In Development)

Designing a modular platform for annotating and validating image, text, document, tabular, audio and video data into accurate, traceable datasets. Focused on annotation workflows, quality assurance and dataset provenance; not a model-training platform.

LEADERSHIP & COMMUNITY

AI/ML Core Team Member | GDG on Campus SCOE
Selected for the AI/ML Technical & Innovation Team.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL
Backend & APIs: FastAPI, Flask, Django REST Framework, REST APIs
Machine Learning & Data: scikit-learn, pandas, NumPy, model evaluation, ROC-AUC, PSI drift monitoring
Databases: PostgreSQL, MySQL, MongoDB, SQLite
Tools & Infrastructure: Git, GitHub, Linux, Docker, Docker Compose, GitHub Actions
Frontend: React, TypeScript, HTML, CSS

PROFILES

GitHub: github.com/aayush-borse | LinkedIn: linkedin.com/in/aayush-borse-geek | LeetCode: leetcode.com/u/aayush_borse