HARSHALI KADAM

NEWYORK | 551-201-4322 | harshalikadam58@gmail.com | Linkedin | Github | Portfolio

EDUCATION

PACE UNIVERSITY, Seidenberg School of Computer Science — **Sep. 2024 – May 2026**
Masters in computer science (GPA 3.5/4.0) — New York, USA

UNIVERSITY OF MUMBAI, Terna Engineering College- — **Aug. 2020 – May 2024**
Bachelors in computer science engineering (GPA-3.4/4.0) — Mumbai, India

WORK EXPERIENCE

Quantum Pulse Consulting — **August 2025 – November 2025**

Software Engineer Intern

- Orchestrated Jenkins CI/CD pipeline reducing inter-team dependencies by 30% and boosting efficiency by 40%.
- Established baseline DORA metrics to track deployment frequency and recovery performance, linking GitHub PR data to monitor change lead times and lead infrastructure and hosting on AWS.
- Implemented and configured site reliability monitoring by developing synthetic monitoring scripts (Playwright) and integrating Open Telemetry to proactively identify errors and improve system observability. • Managed database schema migrations using tools like Flyway/Liquibase and participated in backup and restore drills to validate RPO/RTO.

Project Manager intern (Scrum Master)

- Served as PM and the Project Lead for an AI Slack bot project, translating stakeholder requests into technical requirements, managing the backlog, overseeing the integration of Slack and Coda APIs, using Postman for API testing and validation.
- Analyzed and resolved policy conflicts related to Enterprise Architecture standards and reviewed audit logs to ensure 12-month data retention compliance.
- Drove project alignment by defining and measuring OKRs, facilitating regular stakeholder syncs to resolve blockers, and implementing a continuous feedback loop by logging QA results to inform future planning.

Qualitykiosk technologies — **June 2023 – February 2024**

Software Engineer Graduate Assistant

- Developed Python and TypeScript logic for an automated app to handle API events, fetch data, and update users.
- Set up a continuous integration (CI) pipeline featuring automated linting, code checks, and commit builds.
- Developed and performed QA on applications, ensuring data persistence and correctness.

ACADEMIC PROJECTS

- **Credit Card Fraud Detection Web app(2025)** - Built a high a high-accuracy fraud detection machine learning pipeline using Python and scikit-learn, implementing an ensemble of models (GradientBoosting, SVM, Random Forest, Logistic Regression) and utilizing SMOTE to resolve class imbalance in large datasets • Feature engineering reusable feature processing pipeline with automated OneHotEncoding and time parsing, leveraging persisted pickle artifacts to ensure strict data consistency between training and real-time inference environments • Developed a secure Python service layer for model inference featuring environment-driven configuration (python-dotenv), cross-OS compatibility, and CI-friendly Git workflows to streamline deployment and maintenance • Published Research Paper under PHD Professor- https://ijirt.org/Article?manuscript=163583 , Project Demo.
- **My Data Analysis Agent (2025)** - Built an AI-powered data analytics web app using local LLMs via Ollama to generate descriptive/predictive insights for CSV/XLSX/JSON datasets. • Implemented analytics core with Pandas/NumPy/Scipy and visualizations using Plotly/Seaborn/Matplotlib; added data cleaning, smart sampling, and timeout-safe LLM calls. • Containerized the production environment using Docker, implementing security best practices (read-only mounts, health checks) and integrating automated Playwright UI smoke tests to ensure release reliability • Deployment Docker + Streamlit. Project Demo.
- **My Health-Care Agent (2025)** - Engineered a modular multi-agent AI platform using FastAPI and MCP, implementing intelligent keyword routing and LRU caching to significantly reduce token usage while driving a responsive SPA frontend. • Orchestrated a production-ready multi-container deployment architecture using Docker Compose and Nginx, establishing robust health monitoring, secure environment-based secret management, and scalable configuration workflows. Project Demo.
- **Run-Command-Agent (MINI GITHUB COPILOT) (2025)** - Built a terminal-based "mini-Cursor" autonomous agent that plans→acts→observes to execute system commands with persistent conversation NLP context and chat history. Extensible tool-calling framework with continuous prompting REPL. Project Demo.

TECHNICAL SKILLS

Programming: Python, AI, LLM, Machine Learning, Huggingface, vLLM, Java, JavaScript, VectorDBs, React, LangChain, Tailwind, MySQL, DBMS
Cloud & DevOps Tools: AWS (EC2, Lambda, S3, DynamoDB, API Gateway, CloudFront, ECS/ECR), Docker, Jenkins, Git
Program management tools and methodologies: JIRA, Smartsheet, Kanban board, Agile and Scrum, Lean and Six sigma, MS-office
Data analysis: Python, Power BI, Tableau, Excel

EXPERIENTIAL TRAINING AND BADGES

Smart City Dashboard Hackathon (2025): Built a real-time NYC environmental risk monitoring dashboard that combines air quality and traffic data using MongoDB with AI-powered analytics to identify pollution hotspots and prioritize proactive actions using Machine Learning Engine. Project Demo

AWS AI-ML scholars Challenge (2025) : Gained hands-on experience with AWS tools for data analysis, model building, and deploying ML workflows in the cloud.

GOOGLE Professional Project Management Badge (2025): Acquired practical skills in technical project workflows of Google.

Secure CI/CD Pipeline Transformation with Jenkins and Red Hat's Advanced Developer Suite