

Tanishq Gandhi

✉ tanishpg@uci.edu ☎ (949) 279-3436 📍 Irvine, CA 92612 🌐 Tanishq Gandhi 🔗 Portfolio 🔄 tanishqgandhi1908

EDUCATION

University of California, Irvine, Masters of Computer Science 09/2025 – 12/2026 | Irvine, CA
GPA - 3.95/4.0 | Relevant coursework: Artificial Intelligence, Algorithms, Machine Learning, Principles of Data Management

Vellore Institute of Technology, Bachelor of Technology, Computer Science 07/2019 – 04/2023 | Vellore, India
GPA - 3.8/4.0 | Merit Scholarship for academic performance in 2020-21, 2021-22 and 2022-23

PROFESSIONAL EXPERIENCE

UCI Paul Merage School of Business, Research Assistant (GenAI & Gender) 01/2026 – Present | Irvine, CA

- Collaborated with the Linux Foundation and academia to analyze Generative AI's impact on open source mentorship, processing 1.2M+ GitHub PR reviews across 100,000+ developers.
- Applied Deep Learning NLP (HuggingFace) and Network Analysis (NetworkX) to quantify code review toxicity, sentiment trends, GenAI adoption and network centrality (PageRank, Homophily).

JP Morgan Chase, Associate Software Developer II 02/2025 – 08/2025 | Mumbai, India

- Re-architected backend workflows by migrating from mainframe database to Kafka-based real-time message pipelines for 50M+ daily trades and monthly statements, improving client experience.
- Developed an LLM-powered anomaly detection system to analyze daily Splunk logs, performing RCA on detected issues and generating troubleshooting steps, which was later integrated into a chatbot interface for real-time operational support.

JP Morgan Chase, Software Developer 06/2023 – 01/2025 | Mumbai, India

- Developed a full-stack platform with TypeScript and SpringBoot that simplified meeting client requirements by providing an intuitive UI to access stats, reports, and analytics, decreasing developer manual effort by 25% and improving information access for 20+ stakeholders.
- Designed and implemented Spring Batch cron workflows for new account handling during bank account mergers, ensuring seamless onboarding.
- Contributed to bank's paperless adoption strategy by enhancing digital statement delivery workflows and expanding support for new electronic communication and document types across Asset and Wealth Management division.

JP Morgan Chase, Intern 02/2023 – 05/2023 | Mumbai, India

- Developed a Python batch job to consolidate data from multiple teams for notification delivery, reducing daily processing time from 2 hours to 20 minutes.
- Implemented comprehensive testing (E2E, integration, component, contract, and resiliency) in Linux-based environments, and maintained CI/CD reliability with Jenkins pipelines, contributing to a 30% reduction in defects.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, C, C++

AI/ML & Data Science: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, LLMs, GenAI

Frameworks & Tools: Spring Boot, AWS, Next.js, React, Grafana, MongoDB, Kafka, REST APIs, GraphQL, Git, CI/CD, Cassandra

CERTIFICATES

• AWS - Developer Associate • CS50 - Harvard University (Edx) • AWS Cloud Practitioner

PROJECTS

Barista Bench: LLM Speech-to-JSON Pipeline 02/2026 – 03/2026

- Led model training and inference engineering to convert free-form customer speech into structured JSON for the Kaggle Barista Bench competition.
- Fine-tuned a Qwen2.5-7B-Instruct model using QLoRA and optimized deployment using vLLM for efficient serving.
- Collaborated on a dynamic TF-IDF few-shot retrieval system, achieving an 8th place rank out of 94 teams on the public leaderboard and an 88.0% exact total accuracy.

Force for Good (Project Initiative by JPMorgan Chase for Non Profit - RKSS) 03/2024 – 10/2024

- Developed and deployed a full-stack (React + Flask) tool hosted on AWS that automated web scraping, content classification, and report generation for free educational material.
- Implemented metric-based querying to surface relevant resources, reducing manual effort by 50% and saving 1,000+ hours.
- Worked cross-functionally with program leads and received formal recognition for delivering a high-impact technical solution supporting underserved students in India.