

Yash Patodkar

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EDUCATION

Master of Science in Computer Science

Santa Clara University | GPA - 3.7/4.0

Sep 2024 - Jun 2026

Santa Clara, CA, USA

Post-Graduation Diploma in Advanced Computing

CDAC ACTS | 83%

Sep 2021 - May 2022

Pune, India

Bachelor of Technology

Vishwakarma Institute of Technology

Aug 2017 - May 2021

Pune, India

WORK EXPERIENCE

Tenex.ai

AI Engineer

Apr 2026 - Present

Santa Clara, CA, USA

- Designed a Go-based vendor integration **framework SDK** with database schema design, service layers, and reusable abstractions, reducing integration development effort by 50%.
- Redesigned integration **architecture by decoupling** integrations from the core product, reducing code size by 10% and saving \$100K/month in Claude costs.
- Delivered **13+ end-to-end integrations**, including AWS, Okta, and Cisco AMP, covering authentication, ingestion, and storage.
- Implemented **data-enrichment pipeline** reducing Chronicle **SOAR** dependency giving agents 20% more triage detection context.

Fortinet

Software Engineer

May 2022 - Jun 2024

Pune, India

- Built FortiSOAR **AI Agent** to automatically **generate playbooks** on user prompts, reducing 15% developer onboarding time.
- Eliminated raw IOC exposure across 500+ tests by masking sensitive indicators and unmasking IPs, domains, hashes, and URLs.
- Led 3 interns to build Global Visibility Dashboard in Angular and Java, aggregating multi-tenant SOC data via consolidated APIs and configurable widgets for faster investigations. and achieving 85% precision across 500 test cases
- Optimized large-scale system performance by tuning Elasticsearch and SQL query logic for universal search, reducing record retrieval latency by 30% across millions of records.
- Owned and enhanced Java microservices including the API-Gateway and Notifier services, built with Java Spring Boot, delivering backend functionality for secure request routing, notification workflows, and service-to-service communication.

TwinNov Technologies

Software Engineer Intern

Jan 2020 - Jun 2021

Pune, India

- Reduced 30% vibrations by building an accelerometer visualizer in Python/Chart.js that isolated failure points.
- Automated client request intake and cross-functional scheduling using Python, reducing response time by over 20%.

PROJECTS & OPEN SOURCE

Open Source - Zed Text Editor | Rust

- Contributed 10+ PRs to Zed, with 5+ merged, improving Agent Panel file disambiguation, file picker workflows, and related design decisions.

Movie Recommendation System | Python, PyTorch, Kubernetes, Terraform, MLflow, Triton, Prometheus

- Designed a cloud-native movie recommendation system using PyTorch, MLflow, Kubernetes, and Terraform, handling 500K+ daily interactions with <100ms latency during 5x traffic spikes.

FocalPoint | React, FastAPI, MongoDB, DigitalOcean, MediaPipe

- Built an iris-tracking LLM interface that analyzes users' reading behavior on AI responses, converts attention patterns into reward signals, and stores behavioral memory in MongoDB for personalized responses.
- Designed self-learning agent loops inspired by cognitive architecture research to learn patterns and personalize LLM responses.

TECHNICAL SKILLS

- Languages: Java, Python, Go, TypeScript, JavaScript, SQL, C++, C#
- Infrastructure: Spring Boot, PyTorch, Flask, NestJS, Hibernate/JPA, Agentic AI
- Cloud & DevOps: AWS, Kubernetes, Docker, Terraform, Prometheus/Grafana, CI/CD, Jenkins, Git, Linux
- Data & Tools: Kafka, MLflow, Triton, MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, System Design, Networking

ACHIEVEMENTS AND PUBLICATIONS

- Won 3 hackathons, including hack for humanity organized by SCU, and 2 creators corner.
- 99.2 percentile (Rank 151/20,000+) in national CDAC PG-DAC entrance exam.
- Authored a research paper on Inter-Satellite communication in Satellite Communications, under the guidance of Dr. Moataghd.