

KUSH ZINGADE

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EDUCATION

BOSTON UNIVERSITY, KILACHAND HONORS SCHOLAR

Bachelor's in Computer Science, Minor in Data Science

GPA: 3.97/4.0 (Dean's List)

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Functional Programming, Database Systems, Computer Systems, Probability in Computing, Linear Algebra, Discrete Math

Boston, MA

May 2028 (Accelerated)

ESF WEST ISLAND SCHOOL

International Baccalaureate Diploma (45/45)

Hong Kong, China

Aug 2023 – May 2025

SKILLS

Programming Languages: Python, C, JavaScript, TypeScript, SQL (PostgreSQL, MySQL, SQLite), HTML, CSS, PHP, Bash

Frameworks & Tools: React, Next.js, Node.js, Express.js, FastAPI, Flask, Django, Redis, TailwindCSS

AI/ML & Data: LangGraph, MCP (Model Context Protocol), Elasticsearch

DevOps & Platforms: Git, GitHub, Docker, Linux, Vercel, Railway, Claude Code

Languages: French, Marathi

WORK EXPERIENCE

HIREBUDDY

AI & Software Engineer Intern | *Technologies: Next.js, TypeScript, Elasticsearch, OpenAI API*

Boston, MA

April 2026 – June 2026

- Developed an AI-powered candidate sourcing and screening feature end-to-end, tripling the candidates surfaced per search, replacing manual recruiter screening with an automated, ranked shortlist
- Designed an AI screening engine that scores each candidate across 12 dimensions (skills, experience, education, location, and role fit) with consistency safeguards that keep its match badges and written assessments from contradicting each other

BU SPARK!

Software Engineer Intern | *Technologies: Python, FastAPI, PHP, JavaScript, MySQL*

Boston, MA

May 2026 – Present

- Deployed a 3-service digitization platform for Harvard Herbarium as a containerized stack with cross-service networking, standing up a 155-table schema end-to-end, and reduced local environment setup to a reproducible process for open-source projects
- Contributed to ML-assisted label-transcription pipeline integrating OCR/vision-LLM backends behind FastAPI services to extract fields from specimen images, pre-filling a ~100-field entry form to accelerate digitization of collection of 5 million specimens

DORO

Software Engineer Intern | *Technologies: Python, Django, React, Next.js, JavaScript, Stripe*

Boston, MA

Nov 2025 – Present

- Drove full frontend migration as sole developer, redesigning and re-implementing 10+ pages by migrating legacy inline CSS into a unified Tailwind design system, eliminating 2,000 lines of redundant styling code
- Built and shipped a React admin dashboard from scratch, backed by custom CRUD and review endpoints, replacing manual database lookups with real-time business and customer analytics and automated reporting

HONOR SOCIETY OF CINEMATIC ARTS - International 501(c)(3) Nonprofit

Chief Technical Officer & Sole Engineer | *Technologies: React, TypeScript, Express.js*

Boston, MA

Nov 2025 – Present

- Built the organization's international operations and platform system of record as sole engineer: Postgres schema, 230+ endpoint Express API, and React frontend, live in production across all 15+ chapters and 150+ members
- Designed a 3-dimensional authorization model, leveraging role hierarchies, chapter-tenant isolation and position-based privilege override, enforced across ~230 access paths

PROJECTS

RED HAT-IBM HACKATHON | *Technologies: Python, LangGraph, FastAPI, React, TypeScript, YAML, MCPs*

Jan 2026

- Won "Best Use of AI" among 70+ participants; solution accepted for upstream evaluation into Red Hat's official InstructLab open-source project
- Engineered a LangGraph-based agentic workflow using Model Context Protocol (MCP) to automate InstructLab knowledge contributions at scale, eliminating YAML/Git syntax errors and manual intervention from contribution pipeline

TERRIER TRACKER | *Technologies: Python, React, TypeScript, Redis, Flask, PostgreSQL*

Aug 2025 – Present

- Built and shipped an academic degree planning tool serving 900+ students, automating course requirement validation across 6,000+ courses as sole developer, from system design to production deployment
- Reduced database query latency by 75% across 6,000+ course records by implementing a Redis caching layer with TTL strategies and connection pooling, achieving 95% cache hit rate

LEADERSHIP

HACK4IMPACT BU

Project Sourcer and Lead Software Engineer

Boston, MA

Dec 2025 – May 2026

- Led a team of 4 through the full-stack lifecycle of a React/TypeScript application, owning PR review standards and test-coverage requirements while translating client requirements into the team's engineering roadmap