

Education

Boston University, Graduate School of Arts and Sciences, Boston, MA

Master of Science in Computer Science.

Sept 2022 – Jan 2024

Maharashtra Institute of Technology, Pune, India

Bachelor of Technology in Computer Science and Engineering.

Aug 2017 – July 2021

Skills, Interests, and Co-curricular

- **Programming Languages:** Python, Java, Go, C++.
 - **Databases:** PostgreSQL, NoSQL, Vector Databases, PL/SQL.
 - **AI/ML:** Applied AI, Prompt Engineering, Fine-tuning, Embeddings, RAG, Knowledge Graphs, Model Evaluation, Model Deployment, CNNs, Transfer Learning.
 - **Systems & Cloud:** Microservices Architecture, AWS (EKS, Bedrock), GCP, Kubernetes, Docker, CI/CD, REST APIs, Kafka.
 - **Tools & Frameworks:** LangGraph, LangChain, FastAPI, TensorFlow, PyTorch, Git, Unit/Integration Testing.
 - **Certifications:** Specializations in [Deep Learning](#), [Python](#), and Java.
 - **Publications:** [Google Scholar Profile](#) (IEEE + NSF-funded work).
 - **Leadership:** Ex-Joint Secretary, [Rotaract Club of Nasik Youth Force](#), India (NGO).
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Work Experience

[Domify AI](#), Manhattan, New York

AI Engineer (Founding Team) *January 2025–Current*

First AI hire at a \$4M seed startup automating financial supervision and compliance.

- Developed AI-driven workflows to consolidate fragmented contract schemas (CSVs) and parse XML contract data with contextual integrity, enabling LLMs to generate structured narratives that reduced supervisory review time from **30 minutes to under 5 minutes**.
- Built document intelligence pipelines including RAG for unstructured documents (text, tables, images, metadata), LLM-based header→JSON structuring, and a framework that distilled supervisory procedures into reusable knowledge, now company IP.
- Engineered evaluation and AI infrastructure, including a delta-checker microservice to benchmark model outputs and an internal AI library standardizing LLM workflows, accelerating multi-model experimentation and design.
- Designed a B2C due diligence system for private market funds, building a framework to distill and organize industry-standard investor queries into topics, and applying RAG pipelines to extract **key insights and facts** from fund documents for investor decision-making.

[River AI](#), Remote

Founder *May 2025–Current*

Building AI-powered legal tech platform to transform how law firms manage cases and analyze documents.

- Architected and deployed full-stack SaaS platform combining case management with AI document intelligence—enabling legal teams to chat with documents, generate case timelines, and automate contract analysis across **9 practice areas**.
- Developed **6 core AI capabilities** including multi-language translation, document summarization, and legal research integration designed to streamline document review workflows and reduce manual analysis time.

[C10 Labs](#), Cambridge, MA

Machine Learning Consultant *June 2024 – Nov 2024*

Advised portfolio companies at a \$77M venture fund supporting MIT and Harvard-affiliated AI startups.

- Designed a prototype AI system for a FinTech startup automating RFIs for cross-border payments, and evaluated technical feasibility of portfolio companies through regular benchmarks, stack reviews, and moat assessments.
- Built a voting and insights web-app used by partners, founders, and the CEO to evaluate **10+ startups per cohort**, integrating LLM-based market data vs. pitch-deck analysis to increase decision confidence.
- Co-built internal prototypes during hackathons, including a compliance automation tool for vendor document checks, helping the fund experiment with in-house product innovation.

[Naimer \(Catchword Branding\)](#), Remote

AI Architect (Consultant) *Sept 2024 – Nov 2024*

- Consulted for Catchword Branding on their AI-powered naming platform, Naimer, fine-tuning OpenAI 4o and Gemini 1.5 models for brand name generation.
- Performed advanced prompt engineering and introduced orchestration agents to handle compound, non-English, and coined naming tasks, improving quality and diversity of generated names.

Boston University, Boston, MA

Research Assistant *Sept 2023 – May 2024*

- Led a remote sensing study on mangrove detection in Indonesia, independently developing CNN-based models that outperformed traditional pixel classification for geospatial image analysis.
- Built knowledge-graph-driven workflows for evaluating LLMs in K-12 education, designing expert-in-the-loop assessments of factual accuracy and depth; research funded by the National Science Foundation and culminated in a published paper.

Massachusetts Life Sciences Center, Boston, MA

Software Engineering Intern *May 2023 – Aug 2023*

- Deployed a multi-document chatbot (LangChain + RAG) to customers, enabling unlimited query handling across diverse documents and improving support case resolution rates by **13%**.
- Developed a cross-platform Java accessibility app integrating a braille tablet with Azure AI Vision, Google Vision, and Free-TTS, delivering real-time object recognition and audio feedback for visually impaired users.

Amdocs DVCI, Pune, India

Software Engineering Associate *Feb 2021 – July 2022*

- Improved ETL runtime efficiency by **90%** while developing and customizing REST APIs in Java for Comcast's CRM team.
 - Created automated testing scripts in SoapUI and contributed to database design and production conflict resolution as part of a large-scale dev team.
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Projects

Video Recommendation System

Multi-University Collaboration, 2023

- Collaborated across Boston University, Tel Aviv University, Technion, and Bocconi University to build Python simulation of video recommendation systems using TF-IDF vectorization and cosine similarity algorithms.
- Implemented Responsible AI principles including fairness and transparency, coordinating technical integration across international teams.

Comprehensive Financial Trading Suite

Quantitative Finance Portfolio, 2023-2024

- Built suite of five interconnected trading strategies including LSTM-based stock price prediction models, genetic algorithm portfolio optimization, and AI-driven sentiment analysis using GPT-3 and Hugging Face Transformers.
- Integrated real-time data processing with Alpaca API and developed backtesting frameworks using Bollinger Bands and SMA crossover strategies for automated trading systems.