

Atishay Kasliwal

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EDUCATION

Stony Brook University, New York, United States of America

August 2024 - May 2026

Master of Science in Data Science

GPA: 3.64/4

Coursework: Neural Networks, Data Analysis, Big Data Analytics, Large Language Model (LLM), Statistical Computing

Symbiosis University of Applied Sciences, Indore, India

May 2018 - May 2022

Bachelor of Technology in Computer Science and Information Technology

GPA: 3.6/4

Coursework: Distributed Systems, Machine Learning, Software Development Lifecycle, Data Structures, Algorithms

EXPERIENCE

Software Engineer, Research - Stony Brook University - SUNY

November 2024 - Present

- Architected cloud-ready event-driven backend platform using Django REST, asynchronous processing, and NoSQL data stores, ingesting 10K+ FOMC intervals to enable macro prediction models with 62% directional accuracy.
- Productionized AI/LLM service components using connection pooling and circuit breakers, cutting inference timeouts by 80% and stabilizing 10K+ daily embeddings for live NLP signal generation.
- Shipped scalable front-end features using React, D3.js, and real-time APIs, enabling data visualization for 20+ users across 3 departments with under-2-second performance.
- Led DevOps improvements (Docker, CI/CD, CloudWatch), 99% uptime, cut experiment iteration from 6 hours to 90 seconds.

Artificial Intelligence Engineer - Wake Forest CAIR

May 2025 - August 2025

- Implemented cloud native AI services using PyTorch model serving on GCP with Terraform, processing 50K plus medical imaging scans and over 10 TB of data with LLM post processing and BigQuery analytics under production SLAs.
- Delivered automated data curation with MNIST standardization using Python, NiBabel, and SimpleITK, removed motion artifacts, reduced preprocessing from 4 hours to 18 minutes, and achieved 95% radiologist concordance.
- Developed full-stack, cloud-deployed applications using React, FastAPI, and monitoring tools, delivering P99 latency of 1.6s.

Senior Software Engineer - Bounteous

August 2021 - August 2024

- Designed and built 20+ production microservices across fintech, telecom, and ecommerce using Java, Python, Spring Boot, REST, GraphQL, and React. \$1M+ transactions, 99.9% uptime, 100K+ MAU.
- Designed secure insurance data vault, AWS Lambda, SQL, and HIPAA. 15+ providers, 100% auth, 3x faster onboarding.
- Built an internal financial platform, React, Node.js, Firebase, JWT auth, 5 role tiers. Reporting cut to hours, \$200K/year saved.
- Improved reliability of high-traffic Java microservices running on Linux by tuning TCP connection handling, DNS-based service discovery, circuit breakers, and rate limiting, reducing P99 latency 40% and eliminating production incidents.
- Standardized CI/CD across 8 teams, Docker, Jenkins, Kubernetes, Terraform, and canary releases. 12+ incidents prevented.

Software Engineer Intern - Shriffle

August 2020 - May 2021

- Shipped billing microservices, Java, Spring Boot, REST APIs, GCP. 10K+ daily transactions, processing \$50K+ revenue.
- Owned React dashboard, real time visualization, Spring Boot APIs. 50+ operations users, customer support tickets down 30%.
- Scaled automated test coverage to 99% using JUnit and Spring Boot, fixing 15+ critical bugs before production deployment.

PROJECTS

Semantic Search Engine ([Github Link](#)): Full-stack RAG platform with React voice/chat UI, Python backend, and Weaviate vector search, benchmarked 3 embedding models on 10+ multilingual corpora, achieving 0.65 MRR with sub-200ms retrieval latency via LLM inference.

TECHNICAL SKILLS

LANGUAGES: Java, Python, Go, JavaScript, TypeScript, SQL, C++

FRAMEWORKS: React, TypeScript, Spring Boot, FastAPI, SQL Server, LangChain, PyTorch, Pinecone, Ansible

CLOUD/INFRA: Azure, AWS, Docker, Kubernetes, PostgreSQL, MongoDB (NoSQL), Kafka, Airflow, CI/CD, TCP/IP, DNS