Darshan Ravindra Konnur

Boston, MA | +1 857-339-8772 | konnur.d@northeastern.edu | linkedin.com/in/darshankonnur | github.com/darshanrk18

EDUCATION

Northeastern University Jan 2025 – Dec 2026 (Expected)
Master of Science in Computer Science *Boston, MA*

M. S. Ramaiah Institute of Technology Aug 2017 – Jul 2021
Bachelor of Engineering in Computer Science *Bengaluru, India*

TECHNICAL SKILLS

Languages:	Python, Java, Go, JavaScript, TypeScript, C, C++, SQL
Backend:	Spring Boot, FastAPI, Flask, Django, Node.js, Express.js, REST APIs, Apache Kafka
Frontend & Databases:	React, Redux, Next.js, PostgreSQL, MySQL, MongoDB, Redis, pgvector
Cloud:	AWS (Lambda, S3, EC2, ECS, ECR, IAM, CDK), Azure, GCP
DevOps:	Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Git, Linux/Unix
Tools & Testing:	JUnit, Mockito, PyTest, Playwright, AWS CloudWatch, Prometheus, Grafana

EXPERIENCE

Amazon Web Services (AWS) Jun 2026 – Aug 2026
Software Development Engineer Intern *Boston, MA*

- Designed and built a serverless prototype that automatically captures visual evidence for cloud security workflows using Java, Python, AWS Lambda, S3 and browser automation.
- Defined infrastructure as code with AWS CDK, IAM and Docker; hardened the service with input validation, timeout handling, fault-tolerant execution and observability.
- Built comprehensive automated validation spanning a Java evidence collector with **100% test coverage**, Python Lambda unit tests and an end-to-end integration suite validating success and failure paths against a live AWS environment.

Khoury College of Computer Sciences, Northeastern University Sep 2025 – Dec 2025
Graduate Teaching Assistant, CS5010 Programming Design Paradigm *Boston, MA*

- Mentored **300+ graduate students** in labs and office hours on Java OOP, SOLID principles, UML, design patterns, debugging and unit testing with JUnit and JaCoCo.

Schneider Electric Feb 2021 – Nov 2023
Digital Workplace Engineer *Bengaluru, India*

- Built enterprise workflow applications with Python/Flask, React, Node.js and MySQL used by **10,000+ employees**; cut API response times by **30%** through SQL query optimization and caching.
- Automated Microsoft 365 administration and migration workflows with Python, PowerShell, Microsoft Graph API and Azure AD, reducing manual operational effort by **60%**.
- Containerized backend services with Docker and Kubernetes, built CI/CD pipelines in Jenkins and GitHub Actions, and added Prometheus/Grafana monitoring for consistent deployments and operational visibility.

SELECTED PROJECTS

Ticket-Forge | ***3rd Place, Google – MLOps Project Expo*** 2026
Python, FastAPI, PostgreSQL, pgvector, Docker, GitHub Actions

- Built an AI-powered engineer recommendation system that ranks engineers for software tickets using ticket context, engineer profiles, historical assignments, workload and recent experience signals.
- Implemented pgvector similarity search, confidence scoring, explainability and cold-start recommendations.
- Presented alongside **28 other teams** at **Google's Cambridge, MA office** as part of Northeastern's Machine Learning Operations Project Expo.

ExpenseShare 2025
React, Node.js, Express.js, MySQL, REST APIs

- Built a full-stack expense-sharing platform, designing normalized relational schemas and REST APIs for users, groups, expenses, settlements and balance tracking.
- Engineered database workflows using stored procedures, triggers, ACID transactions, indexing and pagination, with real-time updates and automated testing/CI for consistency, reliability and performance.

Allocation Optimization of Medical Samples for Distributed Testing 2021
Python, Mixed Integer Programming, React

- Developed a Mixed Integer Programming (MIP) model to minimize distributed medical sample testing costs; **published in IEEE Xplore**.