Darshan Aswathappa

(510)-650-8661 · aswathappa.d@northeastern.edu · Linkedin · Github · Portfolio · Availability: May 2026 - Open to Relocate

EDUCATION

Northeastern University　　　　　　　　　　　　　　　　　　　　　　　　**Boston, MA, USA**
Master of Science in Software Engineering Systems　　　　　　　　　　　　Expected Dec. 2026

Visvesvaraya Technological University　　　　　　　　　　　　　　　　**Karnataka, India**
Bachelor's of Engineering in Computer Science and Engineering　　　　　July 2017 - July 2022

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript

Cloud & DevOps: Terraform, AWS, GCP, EC2, Lambda, SQS, SNS

Frameworks: ReactJS, NodeJS, NextJS, Spring Boot, Micronaut, Express

Databases: MySQL, Postgress, MongoDB

Tools: JIRA, Github, Docker, CI/CD, PowerShell, GPT, Linux, Outlook, Swagger, IntelliJ, Visual Studio Code

EXPERIENCE

London Stock Exchange Group　　　　　　　　　　　　　　**July 2022 - September 2024**
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　　Bengaluru, India

- Enhanced **Web Application Firewall (WAF)** for World-Check platforms, implementing zero-trust IAM authentication to protect against critical vulnerabilities **(Log4Shell, XSS)**, strengthened enterprise security architecture with no recorded breaches
- Optimized database systems using Micronaut/AWS architecture, achieving **90% faster data purging** and enabling **parallel processing of 1000+ records within 15-minute SLA**, reduced operational bottlenecks through automated workflows

Allstate Insurance　　　　　　　　　　　　　　　　　　　**June 2021 - December 2021**
Graduate Technical Engineer　　　　　　　　　　　　　　　　　　　　　　Bengaluru, India

- Led feature development and optimization for Allstate Mobile using **Swift and Kotlin**, implementing critical performance enhancements and resolving high-priority defects
- Enhanced app stability and user experience by implementing cross-platform solutions using ReactJS and NodeJS, leading to increased user satisfaction

Citrix Systems　　　　　　　　　　　　　　　　　　　　　**June 2020 - November 2020**
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　Bengaluru, India

- Led performance optimization initiatives for the Citrix-Workplace product by managing a team of interns and implementing architectural improvements using Spring Boot and ReactJS, which **reduced workspace load time by 45%**, Mentored team members in best practices and streamlined development workflows

PROJECTS

NEU course recommendation RAG chatbot | *Anthropic, ReactJs, NodeJs, MongoDb, Langchain, OpenAI Embeddings*

- Built a recommendation system leveraging **Anthropic and GPT models** to provide personalized course and resume suggestions. Developed the backend with Node.js for API handling and integrated NoSQL for scalable user data storage. **The system analyzes user skills and career goals to deliver targeted recommendations**

Sensibo AI intelligent air-conditioner | *Python, GPT-3, Google Cloud Platform*

- Developed **Sensibo GPT, a GPT-3 smart device** that utilizes Sensibo APIs to intelligently control and adjust AC temperature and parameters based on temperature, humidity, and other factors, contributing to and merging with Sensibo API code

What's You | *Flutter, NodeJs, MongoDB*

- Founded and developed "What's You," an all-in-one data privacy and education app aimed at increasing user awareness of online **data exposure and data breach information**
- Developed app to address data transparency challenges, enabling users to manage online data privacy effectively

Insider Shibu | *JavaScript, NodeJs, AWS, MongoDB*

- Created Insider-Shibu to consolidate public insider company info, achieving a **#37 Product Hunt** ranking and integration with **Watcher.guru**
- Managed cloud infrastructure, optimizing back-end systems for efficiency and scalability