

DARSHAN ASWATHAPPA

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

EDUCATION

Northeastern University

Master of Science in Software Engineering Systems

Boston, MA, USA

Expected Dec. 2026

Visvesvaraya Technological University

Bachelor's of Engineering in Computer Science and Engineering

Karnataka, India

July 2017 - July 2022

SKILLS

Programming Languages: Python (proficient), Java (proficient), JavaScript (intermediate), TypeScript (proficient)

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 - *Python | Java | AWS | Spring Boot*

Bengaluru, India

- Enhanced **Web Application Firewall (WAF)** for World-Check platforms, implementing zero-trust IAM authentication to guard against vulnerabilities like (**Log4Shell, XSS**); confirmed effective removal of known exploitation pathways leading up to six months free from incidents
- 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 - *Swift | Kotlin | Node.js*

Bengaluru, India

- Led feature development and optimization for Allstate Mobile using **Swift and Kotlin**, implementing critical performance enhancements and resolving high-priority defects
- Collaborated with design teams in creating engaging new features for Allstate Mobile, resulting in an increase of daily active users after each successful deployment cycle across platforms

Citrix Systems

June 2020 - November 2020

SOFTWARE ENGINEER INTERN - *ReactJs | Spring Boot*

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 system](#) | *Anthropic, ReactJs, NodeJs, MongoDB, Langchain, Docker, Nginx*

- Built a recommendation system leveraging **Anthropic and GPT models** to provide personalized course and resume suggestions. **The system analyzes user skills and career goals to deliver targeted recommendations**
- Engineered backend services using Node.js for effective API management while integrating NoSQL databases to facilitate scalable storage of over 10,000 unique user profiles without compromising performance or accessibility

[Sensibo AI intelligent air-conditioner](#) | *Python, GPT-3, GCP, NLP, Langchain, Docker*

- Developed **Sensibo GPT, a GPT-3 smart device** that utilizes Sensibo APIs to autonomously 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 "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**
- Facilitated seamless management of personal data for approximately 1,000+ active monthly users within the first quarter post-launch

[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**
- Engineered a streamlined cloud infrastructure that improved system response times, ensuring efficient data processing and scalability for applications handling thousands of simultaneous users during peak demand periods