

# DARSHAN ASWATHAPPA

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## Education

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**Northeastern University - Boston, MA**

**Expected Dec. 2026**

*Master of Science in Software Engineering Systems*

**Visvesvaraya Technological University - Karnataka, India**

**Jul 2022**

*Bachelor's of Engineering in Computer Science and Engineering*

## Technical Skills

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**Languages and Frameworks:** Python, Java, JavaScript, SQL/NoSQL, NextJs, ReactJs, Spring Boot, Micronaut, AWS, GCP, CICD, Prompt engineering, GPT

## Experience

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**Software Engineer - Bengaluru, India**

**July 2022 - September 2024**

*London Stock Exchange Group*

- Strengthened the security of World-Check Online and World-Check NextGen by leading the development of a Web Application Firewall (WAF) to protect against threats like Log4Shell and XSS, and transitioned the database to zero-trust IAM authentication for enhanced security and architecture.
- Optimized security and performance of database systems using Micronaut in Java and AWS, achieving a **90% reduction** in data purging time and enabling parallel processing of over **1000 records within a 15-minute timeout**

**Graduate Technical Engineer - Bengaluru, India**

**June 2021 - December 2021**

*Allstate Insurance*

- Collaborated in the development of Allstate Mobile, leveraging proficiency in **Swift and Kotlin** to enhance features, optimize application performance, and address critical bug fixes
- Played a key role in improving Allstate Mobile's functionality, ensuring a seamless user experience by implementing feature enhancements and bug fixes in both Swift and Kotlin

**Software Engineer Intern - Bengaluru, India**

**June 2020 - November 2020**

*Citrix Systems*

- Contributed to inhouse Citrix-Workplace product development, optimizing performance and **reducing workspace initial load time by 45%**
- Took a **leadership role by managing** a team of interns in project execution for the Citrix-Workplace development

## Projects

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**Course and Resume recommendation system | LLAMA, GPT, Javascript, NodeJs, NoSql, Langchain**

- Built a recommendation system leveraging **LLAMA 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-GPT | 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 backend systems for efficiency and scalability

## Extracurricular

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- Built FARO, a fully digital NGO dedicated to providing food and education to underprivileged children in India and Nepal, raising over **USD10k** in donations, feeding 30k children, and streamlining operations for multiple NGOs
- **Microsoft Learn Student Ambassador (MLSA) 2018-2019**, Reached level 2 in Manthan business plan competition organised by FKCCI