

# Sai Subramanya Manjunath M

Boston, MA | LinkedIn: [Sai Manjunath](#) | [manur.sa@northeastern.edu](mailto:manur.sa@northeastern.edu) | (857)-445-3723  
Website: <https://saimmanjunath.com/> | Medium: <https://medium.com/@saimmanjunath>

As a passionate software developer, I have a keen interest in evolving technologies. Deep domain understanding, meticulous requirement analysis, and consistent feedback naturally propel a project and its developer forward.

## EDUCATION:

### Northeastern University Boston, MA

Fall 2023-

Master's in information system's: CGPA (3.89/4)

Relevant Coursework: Program Structures and Algorithms, Application Design and Development, Advanced Data Science, Web Design and User Experience

### JSS Academy of Technical Education (JSSATE)

2016 - 2020

BE in Computer Science Engineering

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Object-Oriented-Programming, Python Programming, Operating Systems, Compiler Design

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## SKILLS:

**Programming Languages:** Java, Python, C, C++, Ruby, JavaScript

**DB:** MySQL, Postgres, MongoDB.

**Web Development:** HTML, CSS, PHP.

**Frameworks:** ReactJS, Vue JS, React Native. Backend: NodeJS, Spring Boot, Angular

**DevOps:** Jenkins, Kubernetes, AWS (Amazon Web Services), Nginx,

**Tools:** Adobe Photoshop, Adobe Premier Pro, Adobe XD, Figma, Blender, SolidWorks

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## EXPERIENCE:

### Mercedes Benz R and D, Bengaluru Software Engineering Consultant

May 2021– Aug 2023

- **Vision Crafting:** Contributed to a clear product vision by partnering with product owners to shape user stories and MVPs
- **Redux Efficiency:** Implemented Redux architecture, ensuring efficient data flow and streamlined state management
- **Global UX Enhancement:** Improved language support using the i18n module, resulting in a 100% boost in user experience
- **Microservices Mastery:** Developed services in NodeJS, Spring Boot, and Golang within a microservices architecture
- **Database Optimization:** Administered Postgres and MySQL databases, utilizing ORM tools such as Knex and Hibernate.
- **Engagement-Driven Notifications:** Built a comprehensive NodeJS notification system, achieving 100% improvement in user engagement
- **Efficient Database Schemas:** Utilized Knex and Objection JS for migration and seed files, defining and populating database schemas efficiently resulting in ease in maintainability by 80%
- **CI/CD Workflow Expert:** Established Jenkins pipelines with POM, Docker, and YAML files, facilitating CI/CD workflows in Jenkins and Kubernetes
- **AWS Integration:** Integrated S3 for object storage and EC2 for hosting, ensuring scalable performance. Introduced CloudFront, reducing fetch time by over 70%

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## INDEPENDENT PROJECTS:

### Personal-Health-Care Application (React, React Native, Spring Boot, Node JS, Mongo DB, AWS S3 Bucket)

- Develop a health application enabling users to save medical bills, reports, and health data
- Implement a family feature, allowing users to add family members for collaborative management of elderly medication, including the creation of reminders

### Chat Bot using Natural Language Processing and Deep Learning (TensorFlow, NLP, Flask, Nginx, Jenkins)

- Developed a robust Natural Language Processing (NLP) model employing Bag of Words methodology and Deep Learning techniques to facilitate accurate user input prediction
- Implemented an efficient web scraping module within the underlying architecture to seamlessly retrieve relevant information based on user input

### Learner's hub (React, Node JS, Postgres)

- Conceptualized and built an online learning platform
- Empowered various users to publish tutorials and launch courses
- Crafted a user-friendly and responsive UI (User Interface) using React and Web Flask technologies