# VAMSI NARADASU

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## Education

**Northeastern University**                                                                 **Expected May 2025**
*Master of Science in Software Engineering Systems*                                          *Boston , MA*

**Amrita Vishwa Vidyapeetham**                                                               **June 2020**
*Bachelor of Technology in Computer Science Engineering*                                     *Coimbatore , India*

**Course Work:** Object Oriented Design, Web Design and UX engineering, Data Structures and Algorithms

## Technical Skills

**Programming Language**: Java, Python, C#, SQL, JavaScript, R.
**Databases**: SQLite, MySQL, PostgreSQL, MongoDB
**Technologies/Frameworks**: Spring, AWS, Microservices, REST API, Github, Agile, linux, Docker, HTML/CSS, Typescript, React, Azure, NodeJS, Angular, Express.js, Typescript, Maven, Kafka, Mockito, TailwindCSS, Junit, CI/CD, Jira, Jenkins

## Work Experience

**Tata Consultancy Services - Digital (Western Union Financial Services Inc)**              **Bangalore, India**
*Software Development Engineer*                                                              *August 2020 – August 2023*

- Mordernized and Migrated money transfer digital platform from a legacy system to a Greenfield system. Applied scalable enterprise design principles and microservices architecture, enhancing software development lifecycle from design to testing)
- Developed core banking functionalities for platform modernization. Utilized RESTful APIs and Spring framework, hosting solutions on AWS cloud via EC2 instances.
- Optimized legacy code implementations - ensured efficient data processing for high-volume downstream services handling an average of 10M transactions per day
- Led the orchestration of 6 microservices, ensuring high-capacity data processing for systems with 2 million daily users
- Successfully transitioned 100% of traffic from legacy systems to cloud infrastructure, optimizing production efficiency for adapter components
- Leveraged J2EE design patterns, including Model-View-Controller (MVC), Plain Old Java Object (POJO), and Data Access Object (DAO) achieving a 70% increase in application scalability and promoting modularity making it easier to manage and extend microservices
- Utilized Mockito for rigorous unit and integration testing in a UAT environment, employing Test Driven Development (TDD) methodologies.
- Collaborated with cross-functional teams for code reviews, performance issue analysis, and documentation in Confluence
- Demonstrated problem-solving skills by promptly addressing production-level issues, efficiently utilizing JIRA for issue tracking and management.

## Projects

**ResQReach** | *Progressive Web Application* | *React, Node.js, Express.js, MongoDB*       **September 2023 - November 2023**

- Developed a PWA for disaster response using React, Redux, Express,js, Node.js, and MongoDB
- Engineered CRUD operations and RESTful API integration in a domain-driven design.
- Built-in payment APIs empower users to donate directly within the app, boosting disaster relief funding.
- Implemented responsive UI, internationalization, and real-time community engagement features

**WebScrapeServe: A Scalable Web Scraping API on Kubernetes**                               **September 2023 - October 2023**

- Developed a scalable Python-based web scraping API with Flask, enabling dynamic data extraction from URLs using CSS/XPath selectors
- Hosted on Kubernetes for auto-scaling and load balancing, ensuring consistent performance during high traffic
- Enhanced with rate limiting and error handling, resulting in a reliable tool for diverse data-driven tasks and integrations

**Tourism Management Portal** | *Web Application* | *Javascript, HTML, CSS, PHP, MySQL*      **July 2021 - October 2021**

- Developed a tour booking web app using JavaScript, HTML/CSS, and PHP
- Implemented four epics and an admin dashboard for booking and customer data management
- Optimized the database schema to handle high-volume data transactions, resulting in a 20% improvement in response times

## Certification

- "Full-Stack Web Development : JavaScript, NodeJS" - Udemy.
- "AWS Certified Cloud Practitioner" - Amazon Web Services.