

Sudharsan Ragavendhiran Anuradha

+1(737) 296-6189 ♦ Boston, MA

ragavendhirananura.s@northeastern.edu ♦ [LinkedIn](#) ♦ [sudharsan-ragavendhiran.github.io/](https://github.com/sudharsan-ragavendhiran)

EDUCATION

Master of Science in Computer Software Engineering , Northeastern University Boston, MA	Dec 2024
Relevant Coursework: Data Structures & Algorithms, Web Development, Advance BigData Indexing	
Bachelor of Engineering in Computer Science , Anna University Chennai, INDIA	2018
Relevant Coursework: Data Science, Artificial Intelligence, Theory of Computation	

SKILLS

Programming Languages:	Python, Java, C#, JavaScript
Web Development	React.js, Next.js, Node.js, Express.js, Spring Boot, GraphQL
Databases & Messaging	MySQL, MongoDB, PostgreSQL, Redis, RabbitMQ, Elasticsearch
AI & Data Science	TensorFlow, PyTorch, Scikit-learn, OpenAI API, LangChain
Cloud & Tools	AWS(S3, EC2), Azure Devops, Docker, Git, Jenkins, Kubernetes, Kibana, Jira

EXPERIENCE

Software Engineer Intern Philips North America LLC	Jan 2024 - Dec 2024 <i>Cambridge, MA</i>
<ul style="list-style-type: none">Contributed to decomposing a monolithic .NET application into a microservice architecture by working on a key microservice, enhancing system scalability, maintainability, and performanceDeveloped approximately 10 React components for the AlarmCard feature in the Alarm Panel.Spearheaded the development of an in-house configuration tool for performance testing of a patient monitoring application using .NET, which optimized testing processes and reduced configuration setup time by 50%	
Software Engineer Element5 Inc	Oct 2018 - Jun 2022 <i>Chennai, INDIA</i>
<ul style="list-style-type: none">Engineered a state-of-the-art internal scratchpad tool using Node.js, Express.js, MongoDB, and Elasticsearch; streamlined data storage for automation processes across multiple applications, enhancing operational efficiency by 20% and reducing retrieval time by 60%Optimized backend services using Node.js and JavaScript for an RPA automation low-code platform, resulting in a 20% reduction in response times and enhanced system performanceWorked on the front-end development of a web-based workflow automation system using React, Redux, React Router, Axios, and Material-UI for consistent design, improving user experience, and task management	

PROJECTS

Insurance Plan Web application: Developed a web application with Java Spring Boot MVC utilizing Redis for caching, Elasticsearch for object retrieval, RabbitMQ for queuing, GraphQL for flexible and efficient data querying, and OAuth for security; containerized the application with Docker , and deployed it efficiently.
GenAi Applicant Screening: Built a Generative AI-powered ATS application using Python , streamlit , and OpenAI GPT-4 , capable of summarizing and scoring resumes based on predefined job descriptions and evaluation criteria.
Real-Time Collaborative Tool: Built a web application which lets users create Collaborative notepads enabling simultaneous editing by unlimited users with WebSockets , Node.js , React , and MongoDB . Secured with OAuth and containerized using Docker for efficient deployment.