Sudharsan Ragavendhiran Anuradha

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Available for Full-Time Roles from January 2025

EDUCATION

Northeastern University   **EXPECTED Dec 2024**
Master of Science in Computer Software Engineering   Boston, MA, USA

TECHNICAL SKILLS

Programming Languages: Python, Java, C#, JavaScript
Web Development: HTML5, CSS3, SASS, TypeScript, React.js, Next.js, Redux, Express.js, Node.js, Spring Boot
Database: Oracle SQL, MySQL, MongoDB, Redis, PostgreSQL, Hibernate, Elasticsearch
Generative AI & LLMs: LangChain, GPT-4, Transformer models, OpenAI API
DataScience & ML: TensorFlow, Keras, PyTorch, Scikit-learn, NumPy, Pandas, XGBoost
Cloud Technologies: AWS, EC2, S3, Azure, Docker, Kubernetes, Lambda, Terraform
Testing & Automation: Mocha, Jest, Cucumber, Selenium

EXPERIENCE

Philips North America   **Jan 2024 – Present**
Software Engineer Intern   Cambridge, MA, USA

- **Developed and deployed a custom configuration tool for performance testing in .NET**, reducing product configuration time by **50%** and optimizing testing processes, leading to faster issue resolution and improved system reliability
- **Played a pivotal role in the transition of a monolithic .NET application to a microservices architecture**, enhancing system scalability, performance, and maintainability, which significantly improved the system's ability to handle increasing data loads
- **Built a real-time performance dashboard in Azure**, delivering 10+ actionable insights weekly, saving stakeholders 10 hours per week in manual data analysis and improving overall decision-making efficiency
- **Automated test case assignment and review processes** by building an Azure DevOps infrastructure integrated with MS Teams, increasing workflow efficiency by 40% and reducing manual intervention

Element5 Inc   **Jun 2020 – Jun 2022**
Software Engineer   Chennai, TN, INDIA

- Engineered **Node.js** backend services for a low-code RPA platform, reducing response times by 20%
- Developed an internal scratchpad tool with **Node.js, Express.js, and MongoD**B, boosting efficiency by 20% and cutting data retrieval times by 60%
- Led front-end design for a web-based automation system using **React.js, Redux**, and Material-UI, enhancing task management and user experience

RELEVANT PROJECTS

Generative AI Resume Screening ATS
- Designed and deployed a **Generative AI**-powered ATS using **OpenAI GPT-4**, **Streamlit** integrated with automated resume parsing tools to evaluate resumes based on job descriptions. Successfully processed and scored over 100 resumes for screening purposes

Generative AI Chatbot
- Developed a Generative AI portfolio ChatBot leveraging the **ChatGPT API and a Retrieval-Augmented Generation (RAG) system** in Python, providing detailed insights into work experience, projects, education, and personal interests

Job Portal Web application
- Created a responsive, multi-tenancy web-based job portal application using **React, NodeJS, JavaScript, CSS, HTML, and MongoDB**, which has features such as job search, job post, apply for jobs, notifications, in-app messaging