

SURUTHI SELVAM

Denton,TX | mail2suruthiselvam@gmail.com | <https://www.linkedin.com/in/suruthiselvam> | 9404358687

Dedicated Full Stack Web Developer with over 5 years of professional experience, currently pursuing a Master's in Data Science with an expected graduation in 2024. Highly skilled in React.js, React Native, Redux, Python Flask, and SQL. Committed to leveraging technical expertise and collaborative skills to contribute effectively to a dynamic team.

Skills

- Technology: Python, React, React Native, Redux, JavaScript, HTML,CSS,Nodejs
- Database: MySQL, MongoDB
- Cloud Technologies: Azure, Google Cloud Platform
- Proficient in GIT Version control and well versed in Agile methodologies and SaFe practices.
- Experienced in RESTful API development using Python,Nodejs,Flask and Expressjs and Microservices Architecture.
- Good exposure to container and container orchestration using Docker and Kubernetes.
- Data Science and AI Skills: Data Analysis, Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision, TensorFlow, Keras, PyTorch, LLM, GAN-BERT.

Education

University of North Texas	Denton, Texas
Master's in data science	2023 – 2024
Relevant coursework: (Large Language model, Generative AI, Deep learning, Natural Language processing)	
Anna University	Chennai, India
Bachelor of Engineering	2013- 2017

Industrial Experience

Product Developer Intern COPART Inc	May 2024 – Present Addison,TX, USA
<ul style="list-style-type: none">• Contributed to React Native upgrades in the existing Copart transportation mobile app and to develop new camera enhancements• Implemented AI/ML integration in frontend using React Native module using Java and Kotlin handling Tensorflow Lite and Pytorch Mobile.	
Software Engineer AT&T	Jan 2021- Dec 2022 Bengaluru,India
<ul style="list-style-type: none">• Contributed in developing AT&T client facing ticketing web application using Angular, Typescript, Python Flask and Nodejs.• Optimized frontend performance by implementing code-splitting, lazy loading, and memoization techniques, resulting in improved page load times and user experiences by applying responsive web design practices.• Implemented complex relational database schemas using SQL to optimize data storage and retrieval focusing on knowledge management platform involving NumPy and Pandas of machine learning for fetching best articles.• Led the migration of an application from in-house servers to Azure cloud platform, optimizing performance and scalability and managed CORS issues by collaborating with teams for seamless UI experience in all platforms and worked on optimizing application performance.• Implemented unit tests and integration tests using Jest and React Testing Library, ensuring the robustness of frontend components• Utilized Rest APIs to build and integrate new features using Python Flask and used Socket.io functionality in Node.js for websockets.• Leveraged troubleshooting, debugging and problem-solving skills and built dashboards using Kibana and Tableau for data visualization	
Software Engineer Mastercard	Feb 2018- Jan 2021 Chennai,India
<ul style="list-style-type: none">• Designed and implemented user interfaces using HTML/CSS, Reactjs, JavaScript, and Node.js promoting single page web applications.• Leveraged React Hooks to manage state and side-effects, enhancing code readability and scalability.• Handled REST API design using Python, Django, and Flask to develop robust server-side applications for complex features.• Ensured excellent written and verbal communication skills in presenting project updates and collaborating with stakeholders.• Worked on an interactive and dynamic website which serves as Mastercard's informational website that supports high traffic, page views and maximum user experience by optimizing the application.• Implemented CI/CD pipelines and designed reusable React components, following best practices to promote code reusability.• Implemented MongoDB for efficient data storage and retrieval, enhancing application performance and scalability.• Leveraged NGINX for web serving and reverse proxying, ensuring optimal performance and security for web applications.• Managed version control using Git, ensuring the integrity and traceability of code changes throughout the development lifecycle.	

Projects

Graduate Research Assistant University of North Texas	Feb 2023 – April 2024 Denton,TX, USA
<ul style="list-style-type: none">• Developed a mobile app for augmented reality which facilitates object and emotion detection using React Native, Python Flask, Redux.• Worked on LLM model which predicted sentiments of twitter posts on Covid 19 using GAN-BERT and Open AI.	