

SREE HARSHINI NAIDU KOTLA

[LinkedIn](#) | sreeharshini2025@gmail.com | Austin, TX (Open to Relocate) | (512) 902-4041 | [Portfolio](#)

EDUCATION

Master of Science in Computer Science | Texas A&M University - Kingsville | CGPA: 4.0 Jan 2023 - May 2024
Coursework: DataBase Management Systems, Computer Architecture, Operating Systems, Computer Networks
Bachelors in Technology - Computer Science | CVR College of Engineering | CGPA: 9.1

TECHNICAL SKILLS

Programming Languages : C#, Java, JavaScript, TypeScript, Python
Frameworks & Libraries : ASP.NET Core, Entity Framework, Spring Boot, ReactJS, Angular 10+, NodeJS, NestJS
Web Development : REST/SOAP APIs, HTML, CSS, jQuery, Bootstrap, Redux, ExpressJS
Database Management : SQL (MySQL, PostgreSQL, Oracle), Amazon RDS, MongoDB, JSON, XML
Cloud Technologies : AWS (EC2, S3, Lambda, RDS), Docker
DevOps & Testing : Git, GitHub, CI/CD Pipelines, Selenium WebDriver, Jest, Mocha, Postman, NPM Scripts, Webpack
AI & Machine Learning : AI Model Integration, Natural Language Processing (NLP), Machine Learning, Python (AI/ML)
Core Concepts: Software Design, Object-Oriented Programming, Data Structures, Algorithms, Agile, Microservices

PROFESSIONAL EXPERIENCE

Full Stack Developer | SDH Systems LLC Oct 2024 - Present

- Spearheaded the design and development of a web application for a law firm using React.js, Javascript, and Java, SpringBoot for backend, providing an intuitive UI and robust functionality based on technical specifications.
- Enhanced the legal web application by designing and integrating an AI-powered chatbot leveraging NLP principles with Python to handle initial client inquiries, improving response efficiency by 20%.
- Explored the use of AI for intelligent document summarisation, developing a prototype to assist legal professionals in quickly grasping key information from case files.
- Enhanced software quality by creating test scenarios, executing automated UI tests using Selenium to reduce critical bugs
- Developed and executed automated unit/integration tests (Jest) and API validation scripts (Postman), significantly improving test coverage and system reliability.
- Implemented MongoDB for secure handling of 10K+ client records, ensuring high availability and compliance.
- Utilised AWS S3 for hosting assets; designed and implemented RESTful APIs to facilitate third-party integrations.
- Contributed to DevOps workflows by integrating Webpack/NPM Scripts and participating in CI/CD pipeline improvements.
- Actively participated in Agile (Scrum) ceremonies, including code reviews, sprint planning, and retrospectives.

Career Engagement Intern | Texas A&M University, Kingsville, TX Jun 2023 - May 2024

- Developed a scalable web application for course scheduling using React.js, Angular, and a C#/.NET backend, enhancing efficiency and user experience.
- Implemented UI automated tests using Selenium to ensure the reliability of course registration and scheduling features.
- Integrated Kafka for real-time updates; optimised data storage and retrieval with Amazon RDS.
- Enhanced code reliability by developing unit tests (Jest/Mocha), contributing to improved software quality.
- Collaborated with stakeholders using Agile best practices and actively participated in Scrum ceremonies

Software Engineer | Cognizant, INDIA May 2021 - Aug 2022

- Engineered a seat allocation engine for a major airline using React.js, Angular, TypeScript, and Spring Boot, increasing allocation efficiency by 25%.
- Integrated Kafka for real-time messaging and PostgreSQL for transactional data storage, ensuring data synchronisation.
- Designed & deployed RESTful APIs to handle complex reservation logic like secure user authentication seat management.
- Streamlined development and deployment by containerising application components with Docker and implementing CI/CD pipelines, contributing to automated testing and cutting release cycle times by 40%.
- Actively engaged in Scrum ceremonies, including sprint reviews & retrospectives, to track progress & improve efficiency.
- Collaborated effectively with QA and DevOps teams in an Agile environment to troubleshoot critical issues and resolve technical challenges, ensuring system stability

ACADEMIC PROJECTS

- **EXAM STUDY TOOL:** Built and deployed a scalable exam preparation platform using React.js, Node.js, Express.js, and AWS (EC2, RDS). Integrated an AI-driven feature using Python and basic NLP techniques to categorise and suggest relevant study materials based on user query patterns, boosting user retention by 50% and achieving 40% faster data processing. Optimized data management for 1,000+ user records, articles, and test details with AWS RDS MySQL, improving data retrieval and system uptime by 30%.
- **APPOINTMENT SYSTEM:** Developed a web application for scheduling patient appointments using React, Node.js, Spring Boot, and MongoDB, ensuring seamless functionality and optimised user experience. Designed intuitive user interfaces with jQuery, Bootstrap, and Ajax to enhance usability and interaction.

CERTIFICATIONS

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|--------------------------------------------------|----------|-------------------------------------|----------|
| • Building Systems with ChatGPT API | Apr 2025 | • Fine-Tuning Large Language Models | Feb 2025 |
| • AWS Cloud Practitioner Essential Certification | Mar 2024 | • Data Modelling using Erwin | Mar 2022 |
| • SQL using MySQL and Data Base Design | Feb 2022 | • Relational Database Design. | Mar 2022 |