

Sriram Boddeda

(628) 276-7450 | Norman, OK | sriram.boddeda@ou.edu
[linkedin/sriram-boddeda](https://www.linkedin.com/in/sriram-boddeda) | github.com/sriram-boddeda

EDUCATION

University of Oklahoma, Norman, OK
Master of Science in Computer Science

Jan 2023 - Dec 2024 (Anticipated)
CGPA: 3.83/4.0

TECHNICAL SKILLS

Programming Languages: Python, C#, Java, JavaScript, Typescript, Solidity
Web/App Development: .Net, React.js, Next.js, TypeScript, Node.js, HTML/CSS
Database: GraphQL, MySQL, SQL Server, Oracle, MongoDB, SQLite
Machine Learning: Jupyter, Scikit-learn, NumPy, Pandas
Operating Systems: Windows, Linux, MacOS

EXPERIENCE

Graduate Research Assistant

Computer Science, University of Oklahoma

Oct 2023 – Present

Norman, OK

- Developed a responsive web application using Next.js, enabling lab members to write and publish blogs directly on the site.
- Utilized Strapi, a headless CMS, to design and manage the backend, streamlining content creation and updates.
- Automated repetitive tasks on EasyChair using Python and Selenium, reducing manual workload by 80%.
- Analyzed genome datasets from single-cell samples using R, identifying key cancer mutation patterns.

Software Engineer

Persistent Systems

Dec 2020 – Nov 2022

Pune, India

- Collaborated with a team of 3 developers to create a status board web app providing real-time insights into server errors.
- Led the development of a web server migration app using .Net Core in C#, ensuring seamless and efficient migrations.
- Designed data sync features that reduced transfer times by 30% and ensured data integrity.
- Optimized application logic, reducing runtime memory usage by 60% and improving migration speed by 20%.
- Developed a database comparison tool that automated testing of data transfers, saving 15 hours weekly.
- Participated in Agile meetings, contributing to a 15% increase in team productivity and project success.

PROJECTS

Dataset Atlas for scRNA Datasets | R, Shiny, Data Visualization

Ongoing

- Building a web app using Shiny in R to collect, organize, and analyze scRNA datasets, providing researchers with easy access to data.
- Designed dataset pages to display publications, gene/cell counts, and visualizations for quick reference.
- Implementing interactive features for deeper exploration and insights into scRNA data.

NoteCraft | Next.js, React, TypeScript, Tailwindcss

2024

- Developed NoteCraft, a versatile note-taking web application using Next.js, React, and TypeScript.
- Implemented features for creating and storing various types of notes, including markdown and plain text.
- Designed an intuitive user interface for seamless note creation, editing, and organization.
- Utilized modern web technologies to ensure responsive design and optimal performance across devices.

Decentralized Ethereum Marketplace | Next.js, Solidity, MetaMask, Ethereum Sepolia

Fall 2024

- Developed a decentralized marketplace using Next.js, enabling secure listing and purchasing of items using Ethereum Sepolia coins.
- Designed and deployed Solidity smart contracts to automate transactions, ensuring trustless and transparent operations.
- Integrated MetaMask wallet functionality, providing seamless connection and interaction for users with their Ethereum wallets.
- Implemented a responsive user interface that adapts to various devices, enhancing user experience across platforms.
- Conducted testing on Ethereum test networks, ensuring robust smart contract performance and security.

Job Shop Application | Java, JSP, Azure, MS SQL

Fall 2023

- Developed a database-driven application to manage and book services like paint jobs, optimizing the booking and task assignment process.
- Designed and implemented a relational database, including over 10 MS SQL stored procedures to manage bookings, insert data, and generate records efficiently.
- Built a command-line interface in Java to interact with the database, allowing users to book services, manage tasks, and retrieve records.
- Developed a JSP-based web application, providing a user-friendly interface for basic operations like booking services and managing user records.