

Srinivas Mekala

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EDUCATION

Master of Science, Computer Science, *University at Albany, SUNY, NY* May 2026 | Albany, United States
Coursework: Software Engineering, Computer Vision, Data Structures, Operating Systems, Database systems

Bachelor of Technology, Electronics and Computer Engineering, *SNIST* May 2023 | Hyderabad, India
Coursework: Software Engineering, Database Systems, Algorithms and Data Structures, Web Development, Computer Networks

TECHNOLOGIES

Python, HTML, CSS, JavaScript, ReactJS, ExpressJS, Flask, Git & GitHub, TypeScript, NextJS, NodeJS, OOP, Docker, Java, AWS, FastAPI, MongoDB, MySQL, Java, C, C++, Linux, Bash Scripting, Agile, Computer Networks, Jira, REST APIs, JWT, MS Word, MS Excel, MS Powerpoint, Confluence

PROFESSIONAL EXPERIENCE

Graduate Student Assistant, *University Libraries - UAlbany* Dec 2024 – present | Albany, NY
• Assist patrons with technical questions and **troubleshoot** issues related to library systems and technology.
• Provide clear guidance to users with varying levels of technical expertise, ensuring a seamless experience.

Software Engineer, *OneAssure* Jul 2023 – Jun 2024 | Bengaluru, India
• Developed and optimized **frontend components** using **Next.js**, **React.js**, **Tailwind CSS**, and **Redux**, enhancing UI performance and user experience.
• Refactored **75% of the backend codebase** with **FastAPI** and **Flask**, improving scalability, maintainability, and performance.
• Designed and implemented an **RBAC (Role-Based Access Control)** system, integrated third-party **APIs**, and worked within an **Agile environment**, following **best practices** and contributing to **code reviews**.

Software Development Intern, *Kalakumbh* Mar 2023 – Jul 2023 | Remote
• Built a **full-stack real-time chat application** using **Flask**, **React.js**, **Socket.IO**, and **JWT-based authentication** for secure user management.
• Developed and optimized **RESTful APIs** with **Flask** and **Python**, ensuring system performance and scalability.
• Participated in **Agile development**, contributing to **sprint planning**, **code reviews**, and maintaining **best practices** to deliver high-quality features.

PROJECTS

CareerMate, *A personalized application to streamline job hunt* Jan 2025 – present
• Developed a **job application tracker** with **resume tracking** and status management.
• Integrated **LinkedIn APIs** for personalized **job recommendations** based on user profile, experience, and skills.
• Built **user-friendly responsive UI** with features like a **rich-text (WYSIWYG) editor** for notes preparation, **flashcards**, **to-do lists**, and email reminders using SMTP to improve user productivity.
• Built with **Next.js**, **MongoDB** and **FastAPI**, deploying the app on **Netlify** and **Railway.app**. Implemented **JWT-based authentication** to ensure secure user access, with **Docker** for containerization.

ArtKart, *Sell your Imagination* Dec 2024 – present
• Developed a unique platform for **hobby artists** to showcase and sell their artwork, offering **fixed pricing** or a **bidding** feature with a set deadline, empowering artists to monetize their work.
• Engineered a robust backend with **Flask** and **MongoDB**, handling complex bidding logic and user transactions while ensuring **scalability** and **security** with **JWT** for authentication.
• Created an artistic and intuitive **UI** using **Next.js**, providing users with an engaging, seamless experience that promotes creativity and helps artists connect with potential buyers.

FinBuddy, *Personal Finance Tracker* Dec 2024
• Developed a dynamic **full-stack MERN application** to seamlessly track daily transactions, helping users manage their finances
• Built and integrated an innovative **transaction calculator** from scratch, allowing users to easily perform on-the-go calculations, enhancing the app's usability and functionality.

Portfolio, *Personal Website* Oct 2024
• Created a personal **portfolio** using **Next.js** and **Tailwind**, featuring an **SMTP mailing service** to let potential employers or collaborators to easily contact me.

Chatopia Nov 2022 – Jan 2023
• Built a chat app with **Flask**, **MongoDB**, and **Socket.IO**, allowing users to create/join rooms and meet new people in real-time.
• Designed a **responsive UI** using **HTML** and **Tailwind CSS**, focusing on user engagement and seamless interaction.

Giphy Search, *get gifs in one click* Jul 2022
• Built a GIF search app to search GIFs by integrating Giphy API using RESTful standards. Built an intuitive UI with HTML, CSS, JavaScript.