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, Robotics, Algorithms & Data Structures, 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, ReactJS, JavaScript - ES6, Flask, Git & GitHub, Agile, REST APIs, HTML, CSS, ExpressJS, TypeScript, NextJS, NodeJS, OOP, Docker, Java, AWS, FastAPI, MongoDB, Django, MySQL, PostgreSQL, Prisma ORM, Java, C, C++, Linux, Bash Scripting, Angular, Computer Networks, Jira, JWT, MS Word, MS Excel, MS Powerpoint, Confluence

PROFESSIONAL EXPERIENCE

Graduate Student Assistant, *Universtiy 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 preperation, **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.

My Job Tracker   present
- Developed a job application tracker for personal use. **Gained 4-5 actual users** from a friends group.
- Integrated **PostgreSQL** database using **Prisma ORM** into a **NextJs** application

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.