SRINIVAS MEKALA

Albany, New York, USA | +1 (518) 512-7510 | srinivasmekala1227@gmail.com
srinivas-mekala.netlify.app | linkedin.com/in/sri-nivas1227 | github.com/sri-nivas1227

Education

University at Albany, SUNY   Aug 2024 – May 2026
Master of Science in Computer Science   *Albany, NY*
- **Coursework:** Software Engineering, OS, DBS, Algorithms & Data Structures, Database Systems, Computer Security

Sreenidhi Institute of Science and Technology   Aug 2019 – May 2023
B.Tech in Electronics and Computer Engineering   *Albany, NY*

Technologies

Programming Languages: Python, JavaScript, C#, TypeScript, SQL, Java, C
Frameworks & Libraries: Next.js, React.js, Node.js, TailwindCSS, Prisma, Flask, FastAPI, .NET Core
Databases/Cloud: PostgreSQL, SQL Server, MongoDB, Redis, Git, Linux Administration, Bash, Docker, AWS, Azure, Jenkins
Methodologies & Tools: Agile, Scrum, CI/CD, DevOps, Jira, Confluence, Nginx, REST

Work Experiences

Programmer Analyst Intern | **.Net Core, ASP.NET, REST API, SQL Server, SSMS**   Jun 2025 – Present
Center for Human Services Research, SUNY RF   *Albany, NY*
- Leading the migration of legacy ASP.NET WebForms to a modern .NET Core API backend for the Healthy Families New York (HFNY) statewide initiative.
- Architecting RESTful services and .NET EF Core to streamline data tracking on SQL Server for 38+ sites serving 5,000+ high-need families annually.
- Maintaining legacy infrastructure by delivering critical feature updates and bug fixes, ensuring availability and reliability.
- Modernizing data integrity and system performance by bridging legacy databases with contemporary .NET design patterns.

Software Engineer | **FastAPI, Next.js, React, Redux**   Jul 2023 – Jun 2024
OneAssure   *Bengaluru, India*
- Promoted to a full-time SDE within 2 months of interning due to high deliverable quality and technical adaptability.
- Integrated complex APIs from 3+ major insurance providers, managing external stakeholder communications to ensure seamless data flow across the OneAssure's aggregator platform.
- Voluntarily led a massive code refactoring initiative, reducing redundant code by 80% and implementing industry best practices to improve long-term maintainability.
- Resolved critical client-facing issues by tailoring APIs to specific partner needs, ensuring high service reliability and prompt technical support.

Software Developer | **Flask, React.js, Socket.IO**   Feb 2023 – Jul 2023
Kalakumbh   *Remote, India*
- Developed the backend foundation for a startup mobile application using Flask and MongoDB, working in a small team to build and deploy features from scratch.
- Implemented a real-time chat system and researched technical solutions to resolve bottlenecks, transitioning ideas from the research phase into production features.

Projects

Personal HomeServer & Private Cloud | *Ubuntu Server, DHCP, DNS, Docker, Cloudflare, Nginx, Samba*
- Architected a private cloud environment on a Linux-based server to host personal applications and a Network Attached Storage (NAS) system, focusing on data privacy and hardware efficiency.
- Implemented secure remote access using Nginx Proxy Manager and Cloudflare Tunnels, ensuring encrypted, zero-trust connectivity to self-hosted services without exposing open ports.

LinkHub | *Flask, Next.js, MongoDB, JWT, Tailwind CSS, Docker*
- Engineered a centralized platform for URL management, implementing a responsive UI and efficient database schema to optimize content discovery and organization.
- Streamlined user workflows by integrating secure authentication and real-time data fetching, focusing on high-performance rendering and a seamless mobile-first experience.

Job Application Tracker | *Next.js, Docker*
- Developed an application tracking system to manage job pipelines, status updates and deadline monitoring.
- Containerized the application using Docker for consistent deployment environments, ensuring high reliability and ease of updates across different hosting platforms.