

SHARAN JAMANANI

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EDUCATION

North Carolina State University, NC - Master of Computer Science May 2025

Relevant Coursework: Software Engineering, Design and Analysis of Algorithms, Automated Learning-Data Analysis.

Gogte Institute of Technology, India - Bachelor of Engineering in Computer Science & Engineering GPA: 9.08/10 | Sept 2022

Relevant Coursework: Advanced Algorithms, Information Security, Software Testing, Machine Learning, Engineering Economics, Cloud Computing and Agile Software Development.

SKILLS

Languages: TypeScript, JavaScript, Python, C++, Java.

Tools, Frameworks: React, NodeJS, Docker, AWS, GCP, Git, Django, Selenium, OAuth, JWT, SocketIO, Postman.

Cloud Security: IAM, Security Groups, Network ACLs.

Databases: MongoDB, DynamoDB, PostgreSQL, MySQL.

Certifications: Cloud Developer Nanodegree [[Link](#)], IT Security Defense by Google [[Link](#)], Programming in C++ [[Link](#)].

EXPERIENCE

Sr. Software Developer | Meta16labs Healthcare and Analytics Pvt Ltd April 2022 - July 2023

- Led a development team of **8** professionals in delivering customized software solutions for specialized healthcare departments, including speech therapy, audiology, and counseling, resulting in a **20%** improvement in patient care and a **15%** increase in operational efficiency.
- Oversaw the end-to-end execution of **10** complex projects, from requirements gathering to deployment.
- Streamlined our application's integration with a **telephony platforms**, resulting in automatic caller information display thereby improving user experience and efficiency by over **80%**.
- Pioneered a resilient solution for data capture, augmenting capabilities by integrating with the web version backend and enabling multiple sources of information collection yielding **25%** accuracy improvement in remote patient screenings.

Full Stack Developer Intern | Meta16labs Healthcare and Analytics Pvt Ltd October 2020 - March 2022

- Reduced code complexity by **30%** and improved API response time by **60%** through effective refactoring codebase.
- Developed dashboards for business KPIs, leading to a **40%** increase in data-driven decision-making.
- Created training videos reducing onboarding time for healthcare workers by **50%** and augmenting user efficiency.
- Built referral module for doctors and patients, achieving a **20%** increase in seamless patient referrals.
- Seamlessly migrated & assimilated data for **47,000** patients, effectively transferring their responses from legacy applications.

PROJECTS

Desktop Application | [[Link](#)]

Tech Stack: React, Nodejs(Express), Docker, Github Actions, Tauri, Electron, Socket.IO, MongoDB.

- A dynamic toolkit that empowers users with real-time system monitoring and advanced capabilities including app banning and role-based access, driving **30%** enhancement in resource control efficiency.
- Enhanced with seamless **socket** integration, the application is highly adaptable, catering to a wide range of users, from educational institutions to corporate enterprises.

Cross Platform Mobile Application | [[Link](#)]

Tech Stack: Expo, React-Native, MongoDB, Async-Storage, Redux

- Designed and developed a mobile app that facilitated seamless online and offline data collection, culminating in over **10,000** successful records syncs, effectively addressing data accessibility challenges.
- Enhanced app's efficacy in healthcare information collection as evidenced through over **100** downloads and **25,000+** screenings conducted
- Increased **Data reliability** rate to **98%** using persistent caching ensuring the data is uphold until synchronized with the primary server.

LEADERSHIP & ACTIVITIES

- **Lead Developer, Indian Cancer Society:** Achieved a **25%** reduction in misdiagnosis rates by enhancing cancer patient diagnostic accuracy using scored assessment workflows in collaboration with the **Indian Cancer Society Bangalore**.
- **Team Leader, KSCST State Exhibition:** Earned prestigious recognition and substantial funding in the Creative Projects category, underscoring remarkable impact on **Resource Management** and **Surveillance** domains.
- **Organizer, Belpy Python Org:** Organized **Python** conferences, undertaking intricate responsibilities such as program curator, speaker coordinator, and audience engagement manager, resulting in a successful gathering of Python enthusiasts and industry professionals.
- **Organizer, Rotaract Club GIT:** Conducted various social welfare activities creating a positive impact in the community.