SRI SAI SAKETH

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EDUCATION

Master of Science in Computer Science Technology | Santa Clara University, Santa Clara - CA   *Sep 2023 - Present*

Bachelor in Electrical and Electronics Engineering | National Institute Of Technology, India   *Aug 2017 - May 2021*

TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript, TypeScript, HTML, CSS, Python, Kotlin, Java, RUST, Swift, Dart, Shell.
Frameworks and Libraries: React, Node, Flask, Retrofit, Flutter, Django, Pandas, GraphQL, TailWind.
Tools: Git, GitHub, Linux, Android Studio,VS Code, Postman, Figma, Docker, Twilio, Bitbucket, Confluence, Webpack, Vite, Jira.
Data Analysis and Statistics: JMP, TABLEAU, MATLAB, Microsoft Office.
Databases: SQL, SQLite, PostgreSQL, NoSQL (Firebase, MongoDB).
Certifications: Postman−Student Badge, **Google - GCP Cloud Digital leader.**

WORK EXPERIENCE

Software Engineer | *Disaster Accountability Project* - USA | Link   *Jun 2024 - Current*
- Engineered cloud-based solutions using **React.JS, Node.JS, and AWS**, achieving **sub-200ms response** times, and reduced cloud expenses by **at least 15%** with AWS optimizations.
- Facilitated in implementing Cypress framework for end-to-end testing, resulting in a **40% reduction** in regression defects, while also assisting in utilizing **AWS S3** for web application deployment and management.

Software Engineer | *Micron Technology* - India   *Jul 2021 - Jul 2023*
- **Designed and published** a technical paper on a new **Yield Gain Optimization Technique** for silicon wafers, saving over **100K USD per month** in silicon wafer yields.
- Engineered and fine-tuned a robust code infrastructure in **C/C++** to **reduce memory consumption and manufacturing time by 20%,** thereby enhancing production efficiency by 15 %.
- Coordinated production program releases for the **World's first 176 & 232-layer 3D NAND**(which surpassed the industry standard of 200-layer threshold).
- Collaborated closely with the Product Engineering Team to **conduct data analysis and debugging**, preventing **critical memory leaks and improving overall code performance**.
- Streamlined the production release of **LPDDR5 as the Production Release Coordinator**, managing key stakeholders and resolving technical challenges, resulting in a **5% reduction** in time-to-market.

Software Developer (Intern) | *Sortizy* - India | Link   *Jun 2020 - Aug 2020*
- Implemented a user-friendly Meal Planner app for Android and iOS platforms; optimized performance, **resulting in 10% faster** loading times and **20% decrease in app crashes**.
- Implemented secure authentication and scalable backend data APIs; established **CI/CD pipelines using GitHub Actions**, decreasing **deployment cycle time by 35%** and reducing operational costs.
- The App won the Google Play Store's Best App for Everyday Essentials award, **with over 200K+** downloads.

Android Developer (Intern) | *Kuwait Airways* - Kuwait   *Jun 2019-Aug 2020*
- Spearheaded the development of messaging application for Kuwait Airways' ground staff, utilizing Firebase and Firecloud and streamlined information exchange, leading to a **30% reduction in miscommunication** errors.
- Customised application by implementing packages such as **Picasso and Glide to enhance the UI experience**.
- Mitigated **communication latency** for Kuwait Airways' **(600+) ground staff,** improving operational **productivity by 25%**.

Software Developer (Intern) | *Aufenbach* - India | Link   *Oct 2018 - Nov 2019*
- Crafted an interactive **React** website with advanced conditional rendering, **seamless navigation via React Router**, and captivating CSS animations; improved user retention and boosted session **duration by 20%.**
- Implemented Redux for efficient state management, **Styled-Components** for maintainable CSS, and **Jest** for unit testing.
- Collaborated in a **cross-functional Agile team of 5**, utilizing **Git** and **CI/CD** pipelines to ensure efficient, high-quality feature delivery and robust code maintenance.

PROJECTS

SCU Frugal - CurrencyLearners | *Link*
- Architected and built a cross-platform, bilingual app with Flutter in a team of 4, **achieving 55% increase** in student engagement for US currency learning.
- Leveraged **Firebase** for efficient data management, implementing real-time updates and data syncing to **lower load times by 20%,** strengthening app responsiveness and scalability.

AI-Powered ChatApp | Link
- Built a scalable mobile application with **Kotlin, Retrofit, and MVVM**, optimizing API efficiency and UI responsiveness; reduced **API call latency by 25%**.
- Integrated **Gemini Pro LLM** and **Gemini Vision Pro** to enable users to have natural conversations with the AI and interact through images.

LEADERSHIP AND ACHIEVEMENTS

- As the **Technical Advisor** at Go Dutch, led the technical team in developing a robust web app, to **increase user base by 20%**.
- Championed social good by developing a frontend application at Santa Clara University's Hack for Humanity event; promoted cruelty-free products and raised awareness **among 100+ users**.
- Promoted to Software Product Engineer **within 1 year of joining MICRON**, where the mean promotion timeframe is 2 years.