Samir Ansari

✉ samiransari.me@gmail.com
⌂ github.com/samiransarii

☎ 615-779-0833
⊕ www.samiransari.com
⌂ linkedin.com/in/samiransarii

EDUCATION

Fisk University · Nashville, TN   GPA: 3.8
Bachelor of Science in Computer Science   *Expected Graduation: May 2026*

Relevant Coursework: Computer Organization, Data Structures and Algorithms, Machine Learning for Social Sciences, Quantum Computing, Advanced Front-end Development, Intro to Computer Science, Data Science, Calculus, Linear Algebra, Discrete Mathematics, Operating System, Theory of Computation

EXPERIENCE

Google   May 2024 - Aug 2024
STEP Intern   *Mountain View, CA*

- Worked on an internal tool enabling users to create **GenAI model generations** used by **23,000+ users.**
- Developed **full-stack features** using **Angular and Typescript** on the frontend and **Kotlin, Google Cloud Spanner, and ORM** on the backend leveraging **object-oriented principles** to enhance code modularity and maintainability.
- Optimized back-end performance by restructuring data fetching logic to batch and retrieve data in a single query, eliminating redundant API calls and reducing timeouts.
- Enhanced data retrieval speed by implementing a **materialized view of the SQL tables** with optimized indexing, boosting query performance significantly.
- Established a global state management system using **NgRx**, ensuring an organized, predictable, and testable application state.

Google   May 2023 - Aug 2023
STEP Intern   *Kirkland, WA*

- Enhanced user experience and reduced backend request redundancy by implementing UI changes on the Document AI Cloud console using **Angular, Typescript and RxJS.**
- Collaborated with cross-functional teams, including UX designers, backend engineers, and intern-podmate to review **design docs**, align project goals, and ensure smooth feature implementation.
- Ensured accurate UI component behavior by authoring **Jasmine tests** for modified UI components.
- Developed strong familiarity with industry-standard development tools and workflows, enhancing code review efficiency and team collaboration.

Everestwalk Groups   April 2022 - Jul 2022
Front-end Engineer, Summer Intern   *Kathmandu, NP*

- Boosted user engagement by **20%** in **6** months through a refined auto-suggestion model for the MWell Platform, enhancing behavioral health recommendations.
- Delivered MVP for the MWell Platform **3 days** ahead of schedule by optimizing the landing page, admin portal, and implementing REST API unit tests using **Jest and Postman**.
- Enhanced the MWell Platform's performance by **30%** in **3** months, significantly improving admin portal and user interface efficiency.

PROJECTS

InboXpert | An Email Management System   ⌂ GitHub
- Developed a microservices-based email management system using **Go** and **Python**, with a distributed database setup with **PostgreSQL, MongoDB, and Redis**.
- Implemented a machine learning pipeline with **TensorFlow** for email categorization, spam detection, and priority highlighting; built RESTful APIs in Go and integrated **gRPC** for high-performance model serving and real-time prediction.

MooonLight | A sublime text extension   ⌂ GitHub
- Developed "Mooon Light" theme for Sublime Text 3/4 available on packagecontrol.io, with over 3,000 downloads.
- Added **customization features** like file icons and UI fonts for better user personalization, and wrote detailed documentation to help users easily set up and configure the theme.
- Authored comprehensive **documentation** for user setup and customization, enhancing user experience and reducing support requests.

HimalayanHuts | A rental platform   ⌂ GitHub
- Advocated server-side performance by developing a **NodeJS and Express** backend, implementing **MongoDB with Mongoose** for reliable data management, and integrating **Multer** for efficient photo uploads.
- Integrated user authentication by implementing **Passport.js**, enabling seamless Google and Facebook logins for improved security and user experience.

TECHNICAL SKILLS

Languages: TypeScript, Kotlin, Go, Python, JavaScript, Assembly Language
Frameworks: ExpressJS, Angular, Jasmine, Flask, FastAPI, Tailwind CSS
Developer Tools: Git, VS Code, Linux, Docker, Postman, Figma
Libraries/Technologies: ReactJS, RxJS/NgRx, NumPy, Pandas, TensorFLow, scikit-learn, Mongoose, MongoDB, PostgreSQL, Google Cloud Platform, Materialized View, ORM, Proto buff, ARM, x86, Networking (TCP/IP, DNS)