Aman Saxena

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+1 908-612-5822 | Edison, New Jersey

Skills

Tools/ Methodologies: Google Cloud Platform | Scrum | Kanban | Agile | DBeaver | PostgreSQL/ MySQL | Scikit Learn | Git/Github | AWS | Node | React | React Native | Express | Django | Pandas | Numpy | POSIX/UNIX | Linux | Flutter | Firebase
Languages: Javascript | Typescript | Java | Python | C | C++ | HTML | CSS | Dart | Verilog HDL | RISC-V | x86-64 Assembly | MATLAB | Verilog HDL

Professional Experience

Findi   Remote
Software Engineer   *July 2024 - Present*
- Driving the development and implementation of new features for a cross-platform **React Native** mobile application (iOS & Android) deployed on **Firebase**, ensuring optimal performance and user experience within an **Agile framework**.
- **Developing and maintaining APIs** using **Google Cloud's Cloud Run**, optimizing backend performance while ensuring seamless integration with the React Native mobile application. Implementing **IAM policies** for secure access control and permissions management.
- Managing feature requests and bug fixes using **Trello** in a **Kanban** setup, collaborating with design teams via **Figma** to ensure functionality aligns with user-centric design principles and Agile practices.

GLogic   Remote
Full Stack Development Intern   *June 2023 - June 2024*
- Deployed a dynamic web application for a **Google Cloud Platform-**based business automation platform serving healthcare clients. Utilized **ReactJS, HTML, JS, CSS,** and **ExpressJS frameworks**.
- Implemented styles and event-driven functionality using libraries such as **Material UI,** ensuring a seamless and responsive user experience. Managed version control and collaboration using **Git/GitHub**.
- Created new **REST** APIs, constructed a new database schema using **PostgreSQL,** and created data routes and serializers using the **Django** framework.

TVD Associates / Rutgers MBS Externship Program   Edison, NJ
Lead Research Extern - Data Analytics   *Sept 2022 - Dec 2022*
- Researched member organizations and their engagement with the firm. Designed a scoring system in **Excel** to evaluate firm-member interactions.
- Organized meetings, and set objectives to foster a collaborative team environment.
- Managed requirements and coordinated changes with the team.

Education

Rutgers University
Bachelor of Science - Computer Engineering | Minor - Computer Science   *Sept 2020 - May 2024*
- Cumulative GPA: 3.64. **Dean's List** throughout 2020-2023.

Awards

Member of Rutgers **Electrical and Computer Engineering Honor Society** / Eta Kappa Nu (HKN) and **Rutgers Institute of Electrical and Electronics Engineers** (RIEEE) since 2023.
Rutgers Dean's List in the School of Engineering throughout 2020-2023 for excellent and consistent academic performance.
Graduated with the High Honors (Magna Cum Laude) in Rutgers School of Engineering in May 2024.

Projects

- **R-INSIGHT (Rutgers Real-time Interactive Neural Sensory Integration Glasses for Hearing Technology) - 6th Best Project | Project with the Best Impact | Rutgers ECE Capstone Design**
    - Developed $350 smart glasses with real-time transcription, translation, and navigation for users with hearing loss.
    - Integrated iOS/Android app using **Flutter** and **Dart** with Google Translate and Speech-to-Text APIs for 93% accuracy.
    - Implemented Text-to-Speech with customizable settings and backend using Python's web sockets and custom PCB.
- **Citi ICG Technology Software Development Job Simulation on Forage - March 2025**
    - Completed a job simulation involving hypothetical tasks to improve Citi's loan management system and stock market risk reporting.
    - Created a state diagram of the loan management process using the Unified Modeling Language (UML).
    - Researched potential machine learning systems to assess credit risk and provided recommendations for next steps
    - Used Java to build an internal tool visualizing stock market risk in real time
- **Image Classifier ML Model - Support Vector Machine**
    - Processed and classified 2,000+ images using Pandas, NumPy, and Scikit Learn. Achieved 62.38% accuracy using K-fold Cross-Validation.
- **House Price Prediction Regression Models - Linear Regression, Ridge Regression**
    - Analyzed 21,000+ house records using **Linear and Ridge Regression** with feature engineering, obtaining R2 score of **0.7**.
- **Codevengers Assemble- Hackathon by Rutgers IEEE (Institute Of Electrical And Electronics Engineering).**
    - Winning Project: Created a virtual Discord bot with Python and Kivy for scheduling, announcements, and automated responses.

Certifications

- **Google Cloud Platform - Cloud Digital Leader,** Udemy   *January 2024*
- **Agile Software Development,** LinkedIn   *January 2024*