Rayyan Sarkhot

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EDUCATION

Rutgers University – School of Arts & Sciences   **New Brunswick, NJ**
B.S. in Computer Science   *September 2022 - May 2025*
Coursework: Data Structures & Algorithms, Computer Architecture & Assembly, Calculus II, Intro to Computer Science

WORK EXPERIENCE

Princeton IT Services   **Princeton, NJ**
Software Engineering Intern   *June 2023 - August 2023*
- Created a CRM website to reduce over 95% of RFQ processing time & errors, and configured a LLM to extract important information. Reduced average time spent by procurement team on each RFQ from minutes to seconds.
- Implemented necessary features of CRM into a website streamlining the workflow of the procurement team and improved overall output for the company. Increased company potential profits from opportunities by over 50%.
- Implemented ChatGPT API, React, Spring Boot, Nginx, MySQL on AWS EC2 & RDS in an Agile development environment. Lead end to end SDLC, database migration, and integrated company ERP software into CRM.

Code Ninjas   **Denville, NJ**
Coding Instructor   *July 2021 - January 2022*
- Taught over 80+ students the basics of object-oriented programming, web development, and software engineering.
- Enabled youth to diversify knowledge of computer science and explore potential career paths for their future.
- Resolved 20+ technical coding curriculum issues & bugs, assuring smooth learning experiences for new students.

Prudential Financial   **Remote, NJ**
Data Analyst   *Jan 2021 - March 2021*
- Collaborated to convert a 10,000 cell dataset into an educational presentation on new workplace health policies.
- Utilized Tableau to transform pertinent data into visually engaging graphs and charts, enhancing the final product.
- Produced concise weekly reports on data collection, analysis status, and issues for effective project tracking.

PROJECTS

ymsl.us
- Provides exposition & stats & for 30+ youth basketball players, through a website, promoting analysis & rivalry.
- Developed with NodeJS, JavaScript, ExpressJS & Google Sheets API for seamless integration and functionality.
- Developed with Node, ExpressJS, Google Sheets API, and deployed on Google Cloud with Nginx and Docker.

Municipal Voter Generator
- Developed general purpose script enabling targeted voter selection for a local politician from a call bank.
- Achieved a 91% dataset reduction, isolating preferred voters from 37K rows, optimizing selection for outcomes.
- Effectively filtered voters using Python3, CSV library, and a dataset of 9,000 cells, securing accurate results.

SKILLS

Languages: JavaScript, Python, Java, C++, React, PostgreSQL, HTML, CSS
Technologies: NodeJS, ExpressJSGit, Linux/UNIX, Git, Jira, Google Cloud Platform, Nginx, Docker, Visual Studio

LEADERSHIP

Young Muslims (Youth Organization)
Morris County Event Organizer
- Facilitated a local youth group chapter to promote companionship and upright character in the community's youth and develop them into confident and motivated leaders through weekly outings and empowering discussions.