Razeen Ali

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EXPERIENCE

Code Instructor
May 2023 - Present

Code Warriors   *Toronto, ON*

- Sparked innovation in students by teaching robotics for the FIRST Lego League.
- Guided young minds through Python, enhancing their creativity and logical thinking.

Technical Team Member & Vice President of Events
2021 - Present

UTM Robotics, Google Developer Club UTM, IEEE UofT   *Toronto, ON*

- Cultivated a spirit of collaboration, enhancing communication within a large team, and leading to the successful execution of various projects.
- Organized and led specialized workshops on DevOps, Unity, Firebase, Arduino, and more, directly impacting over 50 students by elevating their technical skills.
- As Vice President of Events at UTM Robotics, hosted and taught numerous workshops in IoT, Rfid/NFC, Arduino, fostering innovation and broadening technological understanding within the community.

Software Developer
June 2022 – Sept 2022

Ramuri Inc.

- Developed a Chrome extension using Django REST API and JavaScript for startup needs.
- Increased efficiency by 240% through custom scrapers and organized data collection and processing.

Research Assistant
Sept 2022 – Oct 2022

Psychology Department of University of Toronto

- Created a tailored survey with oTree, aligning with specific research needs.
- Engineered a system for multiple users, with reusable design for future hosts.
- Enhanced data collection for precise analysis, improving efficiency by 500% due to the custom program.

Software Developer and Mechanic
2018 – 2020

FIRST Global Challenge

- Engineered robots, improving synchronization by 130% and control by 205%.
- Won 1st place in 2020 as a key team member representing Bangladesh.

PROJECTS

Automated Report Card system | *Python, Google Sheets, MS Access*
- Conceived a report card automation system tailored for my former high school.
- Crafted a custom database to link teacher-inputted marks with error handling.
- Achieved a 500% boost in efficiency, replacing the old system.

Optimized Study Plan Scheduler | *ReactJS, Django, REST API, SQL, Python, JavaScript*
- Led the development of a web-based study scheduler at the University of Toronto Mississauga.
- Interpreted student course timetables and auto-generated study plans using a greedy algorithm.
- Engineered frontend, backend, and API integration, enhancing efficiency by 120%.

Solana NFT Minting Platform | *Next.js, TypeScript, Solana Web3*
- Architected and developed an NFT minting platform using Solana's Web3 protocol, incorporating staking functionalities, allowing users to mint, stake, and manage NFTs seamlessly.
- Utilized Next.js with TypeScript to create a robust and user-friendly interface, enhancing the user experience and ensuring maintainable code.
- Facilitated community engagement with customizable NFT creation and wallet linking, supporting broader adoption of blockchain technology.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, Arduino, Processing, Java, C, Bash, Dart, SQL, Rust
Frameworks: Django, ReactJS, Node.js, Material-UI, oTree, React Native, Flutter
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Firebase, IntelliJ, LaTex, Jira

EDUCATION

University of Toronto
Toronto, ON

Bachelors of Science in Computer Science and Mathematical Sciences   *Aug. 2021 – May 2026*