Samin Sharar Nafi

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Technical Skills

Languages: JavaScript, Python, C, C++, Java, Racket, HTML/CSS, SQL
Frameworks: React, Redux, Node.js, Express.js, Django
Technologies: Android Studio, Git, Bash, Firebase, Figma, MongoDB Atlas, AWS

Projects (Titles are clickable links)

Biology Academy: IGCSE, A Level Notes and Past Papers
- Leveraged SEO and marketing to gain **8000+ downloads** and a **4.1 rating** in Google Play Store
- Facilitated PDF download, storage and view functionality using **Android Studio** for 300+ documents
- Designed and prototyped a light themed UI using **Figma** and implemented it with xml

Anime Database
- Leveraged **Jikan API** to search and asynchronously fetch anime images, links and information
- Utilized **React Hooks** as well as Context for dealing with state and lifecycle methods
- Optimized app by reducing wasted renders, yeilding a **99%** performance on Google Lighthouse Audits

BNCC Streamer
- Used **YouTube API** to search results from YouTube, and react-youtube to render and play videos
- Set up user authentication including login, registration and logout functionalities using **Firebase**
- Integrated **React Router** to enable routing and navigation between component pages without reloads

New Venture Project, Semi Finalist
- Pitched start-up idea of an upcylced clothing service obtained through iterative ideation, and qualified as semi-finalist of Laurier's New Venture Competition among 2000+ participants
- Created financial projections using aggregated data from databases like Marketline and Factiva
- Interviewed potential customers and identified their problems and deficiencies of existing solutions

Experience

University of Waterloo Concept   *Waterloo, ON*
Infinite Deluge Project Member   May '21 – Aug '21
- Researched about water shortage and irrigation technologies using databases like Geoscan
- Designed a solution (membrane irrigation with nylon films) and prototyped it using Figma
- Drafted presentation and pitched idea with team to a panel of judges and won $500 funding

Honors and Awards

- Represented Bangladesh in International Olympiad on Astronomy and Astrophysics 2019
- Champion among 1000+ participants, Bangladesh Biology Olympiad Nationals 2019
- 2nd place, Bangladesh Olympiad on Astronomy and Astrophysics Nationals 2020
- Top in Bangladesh Award for Cambridge IGCSE First Language English
- 3rd Place among 600+ participants, Bangladesh Physics Olympiad Regionals 2019

Education

University of Waterloo   *Sept '20 – Apr '25 (expected)*
Computer Science and Business Administration, Dean's Honours List(Fall 2020)