

Samin Sharar Nafi

agneus.github.io — snafi@uwaterloo.ca — in/saminshararnafi — github.com/agneus

TECHNICAL SKILLS

Languages: JavaScript, Python, C, C++, Racket, HTML/CSS

Frameworks: React, Node.js, Express.js, Django

Technologies: Android Studio, Git, Bash, Firebase, Figma, MongoDB Atlas

PROJECTS

BNCC Streamer

- Used YouTube API to search results from YouTube, and react-youtube to render and play those videos
- Implemented login, registration and logout functionality using firebase authentication
- Used React-Router to implement routing and effectively used CSS to provide a great dark themed UI

Biology Academy: IGCSE, A Level Notes and Past Papers

- Made expert use of SEO and marketing to gain 8000 downloads and a 4.1 rating in Google Play Store
- Implemented PDF download, storage and view functionality using android studio for 300+ documents
- Used xml effectively to design a pleasant light themed UI experience

Anime Database

- Uses Jikan API to asynchronously fetch anime images, links and information and renders those in Cards
- Fetches and renders top anime from MAL when the search string is empty, implemented with useEffect
- Made use of functional components as well as React Hooks to effectively deal with state management

Snake Game

- Implemented JS functions that update snake position and size, food location and check for snake death

EXPERIENCE

University of Waterloo Concept

Infinite Deluge Project Member

Waterloo, ON

May '21 – Aug '21

- Researched about water shortage and irrigation technologies using UW's online library
- Designed a solution (membrane irrigation with nylon films) by analyzing all the research
- Designed presentation and presented 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, Bangladesh Biology Olympiad Nationals 2019
- 2nd place, Bangladesh Olympiad on Astronomy and Astrophysics Nationals 2020
- Semi Finalist, New Venture Competition 2021 (BU121)
- Top in Bangladesh Award for Cambridge IGCSE First Language English
- 3rd Place, Bangladesh Physics Olympiad Regionals 2019

EDUCATION

University of Waterloo

Computer Science and Business Administration, Dean's Honours List(Fall 2020)

Sept '20 – Apr '25 (expected)