

Arif Mahmud Nasif

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EDUCATION

Hunter College, City University of New York (CUNY)

Bachelor of Arts in Computer Science

New York, NY

Expected May 2024

Relevant coursework: Discrete Mathematics, Advanced Data Structures, and Algorithms, Cloud Computing, Data Science, Computer Architecture.

SKILLS

Programming Languages: C++, Python, Kotlin

Additional Technologies: AWS, SQL, VSCode, Android Studio, Microsoft Office, Microsoft Excel

Language: Bengali

PROJECTS

GuidesYou: <https://github.com/mahmudnas04/GuidesYou>

April 2023

- Led a team of 4 following scrum methodology and spearheaded the development of the application
- Developed and implemented a dynamic website that lets users store and retrieve subject-specific study guides, by leveraging AWS S3 for storage, AWS Lambda for backend functionality, Amplify for hosting, and API Gateway for seamless interaction with the database.
- Designed and developed APIs to serve as intermediaries, enabling seamless retrieval and storage of study guides from subject-specific AWS S3 buckets.
- Authored Lambda functions to facilitate smooth uploading and retrieving of study guides to and from the S3 buckets.

Wishlist: <https://github.com/mahmudnas04/Wishlist>

September 2022

- Created an Android App using Android Studio that empowers users to track desired purchase items, their corresponding prices, and associated website links.
- Utilized RecyclerView to display a list of items, customize the UI for each item, and update the list of items. Tested functionality with an Android Emulator

Wordle: <https://github.com/mahmudnas04/Wordle>

September 2022

- Developed the "Wordle" Android app, using Kotlin on Android Studio.
- Built screen layouts using ConstraintLayout. Utilized onClickListener to handle user interaction and limit the number of submissions to three. Processed user input using EditText. Utilized Handlers to update UI based on user interaction, to display the correctness of each guess. Tested functionality with an Android Emulator

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Fellow, Software Development

July 2023 - Present

- Selected for a technical training program, as one of 183 students out of 400+ applicants.
- Build projects utilizing in-demand technologies like **React, Node with Express, and PostgreSQL** as well as industry best practices for design, implementation, and deployments such as MVC, version control with **Git/GitHub**, agile & Scrum with Trello and Slack, test-driven development, and CI/CD.

Google Software Engineering Program (G-SWEP) via ProjectBasta

New York, NY

Participant

July 2023 - Present

- Selected as one of 80 participants, outperforming 350+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and workshops designed to enhance technical problem-solving and interview skills.

SUPPORTING EXPERIENCE

Fordham University, STEP Research Initiative

Bronx, NY

Research Assistant

July 2019 - September 2019

- Worked with Fordham Graduate and Undergraduate students and faculty members to research the role of mutated minor capsid protein (L2) on HPV, and collaboratively created and presented a poster on the findings.
- Performed western blots, split, transfected, harvested, and purified cells.