

# Ali Ahnaf

## SOFTWARE ENGINEER

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## WORK EXPERIENCE

### Lead Web Developer

#### Aust Programming and Informatics Club

Present | Mar 2022

- Led a team of 7 students to develop AustOJ, an online judge platform from scratch using the MERN stack and hosted it on a rented Virtual Machine.
- Learned several important tools and services such as docker, unit/integration testing using JestJS as well as some DevOps skills like CI/CD implementation on GitHub.

### Apprentice Software Engineer

#### Pioneer Alpha

Mar 2022 | Aug 2020

- Worked with a team to develop the backend of AmariSchool, an e-learning platform, using NextJS and AWS serverless services such as Lambda, AppSync, S3, Cognito.
- Designed the database with occasional feedback from my supervisor using dbdiagram.io
- Worked on developing a GPS-based bus tracking native android application as well as helped design the UI/UX in Figma.

## FEATURED PROJECTS

### Aust Travels

A bus commute application made for my university where users can live track their university buses having a reward-based system for the volunteers to count the total hours contributed into sharing their location. Android SDK, Kotlin, Firebase.

🔗 [https://github.com/Propo41/aust\\_travels](https://github.com/Propo41/aust_travels)

### Intern Lagbe

A web application dedicated to hosting internship job posts in Bangladesh. Learned several core concepts of internet protocols and web applications. ASP.NET, ReactJS, MongoDB.

🔗 <https://internlagbe.azurewebsites.net>

### Us through Time

An app where users can take and store pictures of themselves and their loved ones as a collage over time. Kotlin, MVVM, Firebase.

🔗 <https://github.com/Propo41/Us-through-Time>

### Run Barry Run

A tile-based maze-solving multiplayer desktop game created with the purpose of getting familiar with socket programming in python using Pygame. Learned the actual usage of algorithms, i.e. A\* path finding algorithm in a practical project.

🔗 [https://github.com/Propo41/Run\\_Barry\\_Run](https://github.com/Propo41/Run_Barry_Run)

## EDUCATION

2022 | 2018

BSc. | Computer Science & Engineering

**AHSANULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY**

2018 | 2016

Advanced Level (IAL)

**BRITISH COUNCIL**

## SKILLS

C/C++, Python, Javascript, Java, Kotlin, ReactJS, NodeJS, ASP.NET, C#

## TOOLS & SERVICES

AWS, Github, Docker, Firebase, Figma, Hasura, MSSQL, Android SDK, MongoDB

## ACHIEVEMENTS

Thesis work accepted as poster at an A\* conference titled, Personalized Bengali Sign Letter Synthesis  
**UIST 2022**

Champion at intra-university software exhibition for Aust Travels  
**CODEFIESTA 2022**

Reached final round of national hackathon with an e-learning webapp  
**CTO FORUM 2021**

Promoted to Beta Microsoft Learn Student Ambassador  
**MICROSOFT LEARN**

Runners-up at intra-university game development category for The Fallen Kingdom  
**CODEWARE 2019**

Contributed to open-source project AnkiDroid; Learned some advanced GitHub techniques  
**GOOGLE SUMMER OF CODE 2022**