

Asim Baral

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Education

Georgia Institute of Technology | 4.00 GPA
Bachelor of Science
Concentration in Intelligence and Information Internetworks

August 2020 – Present
Expected Graduation, May 2023

Experience

Prolydian | Tallahassee, FL

May – August 2021

Software Engineering Intern

- Assisted the development of a testing platform with certifications, item banking, remote proctoring, and more
- Increased the customization of item banks, to improve customer workflow when creating new questions for tests
- Improved performance of grading platform by refactoring the manual scoring page render function
- Used customers' feedback to make day-to-day tasks faster and easier to navigate (Knockout.JS, Typescript)
- Added billing requirements to automate billing and prevent unauthorized personnel from using features
- Prevented manual calculation of customers' costs by developing a usage calculator to store user data (C#, SQL)
- Worked in an MVC architecture with .Net, SQL as backend and Knockout.js, Typescript as frontend

Smart City Infrastructure | Atlanta, GA

August 2020 – Present

Curve Sign Team

- Automated testing process for existing project by creating a comprehensive dataset of test cases for validation
- Added visual testing feature which examined validity of signs based on type, and location (Python, Matplotlib)
- Optimized design of pdf generation to increase the speed in which curve sign map and table could be exported
- Allowed signs to be draggable & measurable, to increase the management ability of user's dashboard (jQuery)
- Customized GeoJSON data for better grouping of signs and projected latitude longitude coordinates onto map

Personal Projects

Money Stand

December 2020

- Created a contactless P.O.S system that allows customers to pay by scanning a QR code from an app (Flutter)
- Stored different customer's order info securely (MongoDB) based on order number and a unique business ID
- Wrote RESTful service (Express) to generate an unique url and payment page for each customer's orders
- Used MVC to displays orders on the payment page (EJS), and emailed them the receipt (Python)

PerGo

August 2021

- Created full-stack social network where users can share goals and receive encouragement from other users
- Rendered unique page and url for each post on click based on a template (Express, React, React Router)
- Accepted user input (Node, Express) to make a HTTPS GET request to order posts from newest to oldest
- User posts containing their name, goals, and time (MongoDB) are displayed upon request in chronological order

BuzzTime

QuackHacks, August 2020

BuzzTime is an android app that tracks lines, using mass user inputs of estimates for times in long lines.

- Used Android Studio to build the app, track user location, design the UI, and display a map (Java, MapBox)
- Stored user data serverlessly and securely (Firebase) for real-time updates sent back to the client

Extra Curriculars

GT WebDev | Atlanta, GA

August 2020– Present

Georgia Tech's Web Development Club, where you learn about Web Development through the MERN stack.

- Learned basics Frontend skills such as WebHooks, website routing, props, components, etc (React, JavaScript)
- Focused on backend concepts like building APIs, MVC, HTTPs requests, etc (Node, Express, MongoDB)

Skills

Programming: Java, Python, SQL, HTML/CSS, JavaScript, C#, Typescript, Node, Express, React, MongoDB, .Net

Software: Android, Google Firebase, Git, Visual Studio, IntelliJ, Pycharm

Relevant Courses: Object-Oriented Principles, Data Structures Algorithms

Courses In Progress: Artificial Intelligence, Database, Computer Organization and Programming