

Ahmad Hossain

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EDUCATION

Georgia State University

Bachelor of Science, Computer Science

GPA: 3.99; Honors: Zell Miller Scholarship, President's List & Dean's List

Atlanta, GA

Aug. 2021 – May 2024

Relevant Coursework: Codepath Android Development, Web Development I, Automation with Python

EXPERIENCE

Software Development Engineer Intern

May 2022 – Present

BlueFletch

Atlanta, GA

- Expanded compatibility of the BlueFletch Android Launcher to 1000+ devices by building off an existing codebase and analyzing technical documentation
- Developing an AR Android app to help businesses locate lost enterprise devices with 1-2 meter accuracy, utilizing Google ARCore and Wifi RTT

Machine Learning Art Gallery | [🔗](#) | *Unity, Python, Google Colab*

Mar. 2022

- Won 3rd place in the Georgia Tech Horizons Hackathon by creating a virtual gallery for art generated with Machine Learning
- Interacted with a Python API for style transfer in Google Colab
- Collaborated as a team of 4 students

Android MARTA Train Time App | [🔗](#) [▶](#) | *Kotlin, Jetpack Compose, Dagger Hilt, Retrofit*

Feb. 2022

- Developed an app that displays a list of all Train Wait Times by parsing JSON data of all trains from MARTA's RESTful API endpoint
- Implements Clean Architecture Pattern for easier maintenance and testing
- Published to Google Play Store

Android Web Novel Library App | [🔗](#) [▶](#) | *Kotlin, Java, Firebase*

Dec. 2021

- Developed an app to organize novels being read and published it to the Google Play Store
- Displays a list of Folder objects which contains a list of Web Novel objects
- Saves last URL visited for Web Novel when reading with built-in browser
- Backs up data for authenticated users to Firebase Realtime Database

Self-Driving Car Vehicle Detection | *Python, TensorFlow, NumPy, Seaborn*

July 2021

- Trained a vehicle detection neural network model with 94% accuracy
- Collaborated as a team of 4 students at Inspirit AI
- Implements the sliding window algorithm
- Created using transfer learning with the VGG16 model

CERTIFICATIONS

Inspirit AI Scholars

July 2021

- A summer intensive in artificial intelligence taught by researchers, students, and alumni from top universities

Research Data Services @ Georgia State University Data Certification

Sep. 2021 – Oct. 2021

- Completed workshops on data analysis tools (Python) and data analysis methods (Web Scraping; Twitter API)

CAMPUS AND COMMUNITY INVOLVEMENT

Hackathons: ShellHacks 2021, HackGT8, [Bon Hackétit 2.0](#), [Thehacktrical](#), [A Hack A Day](#), [Horizons](#), [HackGSU](#)

Clubs: CS Club @ GSU, Programming Club @ GSU, PantherHackers

TECHNICAL SKILLS

Languages: Python, Kotlin, Java, HTML, CSS, JavaScript, TypeScript

Frameworks: Jetpack Compose, React, Node.js, Express.js, Material-UI, Parse Server

Developer Tools: Git, Firebase, Android Studio, VS Code

Libraries: Retrofit, Dagger Hilt, Room, TensorFlow, Pandas, NumPy, Seaborn, Matplotlib, BeautifulSoup, Selenium