

SHAHBIN HOSSAIN

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Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

Expected Graduation: May 2025

Atlanta, GA

Relevant Coursework

- Data Structures
- Objects and Design
- Computer Organizations
- Linear Algebra

Experience

Junior Market

May 2023 – August 2023

Website Developer

Cumming, GA

- Independently designed and developed a comprehensive store management website.
- Successfully executed the migration of the website from PHP to JavaScript, effectively minimizing downtime to only 5 hours and ensuring a smooth transition for users.
- Employed agile development methodologies to maintain constant communication with the client, ensuring their requirements were met throughout the entire website development process.
- Implemented MEAN framework for back-end server connections, dynamic front-end, and efficient database management.

Dungeon Crawlers Mobile Game

August 2023 – December 2023

Game Developer

Atlanta, GA

- Project managed a small team in the development of an outer space-themed cat version of Dungeon Crawlers.
- Organized scrum meetings and provided technical support to new developers and ensured effective task prioritization.
- Implemented major game aspects such as player movement and entity collisions, contributing to core gameplay mechanics.

Projects

2D Platformer Video Game | *C-Sharp, Unity*

- Led the development of a 2D platformer PC game, taking charge of both asset design and entity programming, showcasing skills in game development within the Unity framework.
- Implemented enemy pathfinding functionality by integrating the A* search algorithm, significantly optimizing runtime performance by 60 percent.

Space Invaders | *Java, Shell*

- Developed a personalized version of the classic arcade game Space Invaders in Java.
- Acquired expertise in JavaFX to create an intuitive user interface, prioritizing a user-friendly experience for players.
- Conducted significant code refactoring, systematically eliminating redundancies to enhance runtime efficiency by 50 percent.

GT Webdev Project Platform | *Javascript, Mongo*

- Developed a dynamic project platform to showcase club projects.
- Leveraged MongoDB to establish secure user authentication and streamlined project storage.
- Designed user endpoints to facilitate navigation through the project gallery, and incorporated a filtering search bar for enhanced user experience.

Leadership

Hackathon

Website Developer

Athens, GA

- Demonstrated effective leadership in the development of a road-trip travel application.
- Delegated tasks for the team to complete within a challenging 48-hour time frame.
- Enforced a collaborative environment, ensuring each team member contributed effectively to tasks.

Technical Skills

Languages: Java, HTML/CSS, JavaScript, Python

Developer Tools: VS Code, Figma, Android Studio

Libraries/Frameworks: GitHub, JUnit, JavaFx, AngularJS, NodeJS, React, Mongo, SQL