

Mihir Balsara

617-642-4806 | mihirnbalsara@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Georgia Institute of Technology

Candidate for Bachelor's in Computer Science - GPA: 4.0

Atlanta, GA

Aug. 2023 – May 2027

EXPERIENCE

Software Developer Internship | *WordPress, PHP, SQL, CMS*

Apr. 2023 – May 2023

RK Centers

Burlington, MA

- Designed and developed a custom **CMS** platform for streamlined property and snow bidding processes
- Built a secure login and user-friendly property selection portal using **WordPress** and **PHP**.
- Optimized **MySQL** database structure to ensure seamless integration with the new site framework.
- Increased client-server interaction efficiency by 20% resulting in faster loading times and improved user experience

Avionics Engineer | *Python, C++*

Sep. 2023 – Present

Georgia Tech Experimental Rocketry

Atlanta, GA

- Developed a Controller Area Network (CAN) module to communicate with ground and rocket

Research Assistant | *python, pandas, Matplotlib, Seaborn, SciPy*

Aug. 2021 – Jul. 2022

Boston College

Chestnut Hill, MA

- Conducted research on the impact of online vs. offline education on student performance in mathematics
- Utilized data visualization tools to create compelling visuals that highlighted the differences in students' math performance reports.
- Published research findings on the impact of online vs. offline education on student performance in mathematics in a peer-reviewed journal at Boston College

Data Engineer

Jun. 2021 - Aug. 2021

Russian School of Mathematics

Lexington, MA

- Mined student score and report data from RSM's database to identify trends in student performance
- Created an efficient algorithm to process and analyze 2 million student data points
- Leveraged **pandas** library to clean and prepare 2 million student data points for analysis

PROJECTS

Omex Development | *JavaScript, Node.js, MongoDB, Docker*

Jul. 2021 – Present

- Designed and developed two applications for the Discord platform, reaching a user base of 346,075

Silicon Studios | *Lua, Blender, Roblox Studio*

Jul. 2018 – Present

- Managed development of the popular Roblox game, "Drive a Tesla," achieving over 5 million visits
- Managed a team of builders and developers to create functional game assets for "Drive a Tesla"
- The game "Drive a Tesla" achieved over 5 million visits and received the Adurite Crown of O's virtual award for exceeding 10,000+ monthly active users

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), PHP, JavaScript, HTML/CSS, C#

Frameworks: React, Node.js, JUnit, WordPress

Developer Tools: Git, Docker, Amazon Web Services, VS Code

Operating Systems: Windows, MacOS, Debian Linux

Libraries: pandas, NumPy, Matplotlib, Seaborn, SciPi