

# Ajith Bondili

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## EDUCATION

### University of Waterloo

Bachelor of Computer Science — CGPA: 3.8

- **Courses:** CS 135, CS 136, MATH 135, MATH 137, MATH 136, MATH 138

Waterloo, ON

Sept 2024 - May 2029

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, Racket, HTML/CSS, SQL

**Frameworks and Technologies:** React, React Native, Node.js, Tailwind CSS, Next.js, Selenium, Playwright

## EXPERIENCE

### Software Engineer

May 2024 – Aug 2024

Cita Marketplace

Remote

- Developed and optimized REST APIs using Node.js, enabling seamless communication between front-end and back-end services.
- Managed SQL databases, optimized queries, and reduced response times by 20%.
- Built responsive and dynamic interfaces using React.js with App Router and Tailwind CSS, ensuring a responsive user experience.

## PROJECTS

### AutoAlert | Python, OpenCV, Roboflow, React Native, Typescript, Twilio

- Collaborated with a team of 3 at a hackathon to develop a car theft detection system using Python to leverage OpenCV and Roboflow for a pretrained model analyzing video feeds to detect suspicious activities
- Created a React Native iOS app allowing users to customize detection settings, receive notifications, and view real-time updates
- Designed intuitive user interfaces with Typescript, enhancing navigation and real-time interaction
- Integrated Twilio API to send real-time alerts to users and police upon detection of potential thefts

### Stroop Effect Game | React, Tailwind, Framer Motion, JavaScript

- Built a brain teaser game to test users' cognitive abilities, featuring animations for enhanced user engagement
- Implemented a single and two-player competitive game mode, which includes a score calculation and real-time scoring
- Achieved an active user base whilst actively maintain and improve the game in production, based on user feedback

### ErgoType | JavaScript, HTML, CSS

- Developed a web-based typing test game to track users' Words Per Minute (WPM) by typing characters displayed on the screen within a set time limit
- Applied responsive design principles for a seamless user experience across various devices and screen sizes

### Instagram Follower Discrepancy Checker | Python, Selenium, WebDriverManager

- Developed a Python script to identify discrepancies between followers and following lists on Instagram
- Utilized Selenium and WebDriverManager for automated browser manipulation, enabling login and profile navigation

## AWARDS/CERTIFICATIONS

### IBM and Simplilearn — Data Scientist Master's Program Bootcamp Certificate

- Completed a comprehensive Data Scientist Master's Program, gaining proficiency in statistics, Python and R programming, machine learning, Hadoop ecosystem, Spark deployment, and Tableau for data visualization and dashboard design.
- Applied learned concepts through a capstone project, collaborating with a team to develop a predictive model using Python to forecast mortgage demand across the U.S., utilizing statistical analysis to deliver actionable insights.

### Java

- Self-studied to prepare for the 1Z0-819 examination for Oracle Certified Professional: Java SE 11 Developer certification

### University of Waterloo Awards

- University of Waterloo Fermat Math Competition Honour Rolls, Distinction and First-Place Winner/School Champion
- University of Waterloo Canadian Computing Competition Distinction