# Baljot Singh

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## EDUCATION

**University of Wisconsin-Milwaukee**                                              2019 – December 2023
*Bachelor of Science: Computer Science*
3.7 GPA

## SKILLS

**Languages**
Python, Java, HTML/CSS/JavaScript, C#

**Technologies**
React.js, Node.js, GitHub, Firebase, AWS, MVC, .NET Core, ASP.NET, Blazor

## PROJECTS

**Instant Lottery Tracker**

Created Progressive Web App (PWA) for work that eliminates the need for paper logs or manual entry to keep track of lottery inventory and lottery sales.

- Helped save 100+ hours each year
- Firebase was used for authentication and database
- Cloud functions were used to scrape WI lottery for new instant lotteries when they are in circulation

**Teaching Assistant Scheduling App**

Worked in a group of six to create an web application that aims to improve the process of assigning teaching assistants to courses easier.

- Django was used to create the web application
- Helped create the backend and the frontend of the application
- Learned to apply software engineering methodologies and design principles such as agile and SOLID

**PantryPals**

Worked in a group of five to create an mobile and web app to help organize your fridge with multiple people

- Tools used were Firebase, React.js, Capacitor.js and GitHub
- Applied agile methodology to emphasizes continuous collaboration and improvement.

**Notebook**

An serverless web application for taking notes

- Amazon Web Services were used to make the application serverless
- Amazon Cognito and Amazon DynamoDB was used for authentication and data storage
- React.js was used for the frontend
- API Gateway was then used to connect the frontend to the serverless backend

**Multiplayer Drawing Game**

An drawing game in which one person draws while the rest try to guess

- Back-end built using Node.js and Express.js
- Front-end was built using React.js
- WebSocket protocol was used to keep all the players screen in sync