

BALJINDER SINGH

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CAREER OBJECTIVE

I am interested in an entry-level engineering role where I can apply my technical skills and knowledge acquired by pursuing my degree in Computer Engineering. I wish to work in a team of motivated individuals advancing the company towards its goals while concurrently aiding my personal growth.

EDUCATION

University of Wisconsin – Milwaukee
Bachelor of Science, Computer Engineering

Anticipated: May 2022
Dean's Honors for the Spring 2021

TECHNICAL SKILLS

Languages: JAVA, JavaScript, C/C++, Python, HTML, CSS

Technologies: Git, Visual Studio, Django, SQLite, Node.js, Next.js/React, Express.js, Docker, AWS

RELEVANT PROJECTS

Personal Projects

Culinary Web App: Web App allow users to explore different cultures' cuisines and allow users to save recipes to their profile's save list.

- Designed front-end using Next.js React framework
- Firebase's authentication back-end service was utilized for user authentication and user creation.
- Firebase's NoSQL database was used to store user's data and cuisines' data
- CI/CD practice was used to build and deploy docker to AWS EC2 server using GitHub runner

Smartphone Controlled LED Strip Lights: Worked with a partner to analyze and create a circuit, program the microcontroller, and establish communication between Bluetooth, microcontroller, and Smartphone app.

- Developed the circuit for LED lights powered by Arduino microcontroller in C++.
- Developed a smartphone app that enabled user to control LED Strip Lights using Android Studio.
- Leveraged Bluetooth module to communicate with circuit and smartphone application.

Desktop application to View Excel files: Programed the application to read Excel file and display Excel data on GUI.

- Used python to create a desktop app to display Excel Files (.xlsx) data without the need for Microsoft Excel.
- Leveraged python's tkinter toolkit was used to program Graphical User Interface and python's openpyxl library to read/write Excel .xlsx files.

Tic Tac Toe Web App with AI Player: Programed the front-end, back-end, and AI.

- Designed front-end using React Framework.
- Created API for back-end using Express Framework. that was used to calculate and send the best move for AI to play.
- AI was designed using minimax algorithm.

RELEVANT COURSES

- AWS Cloud Technical Essentials
- Data Structures and Algorithms