

SABIN THAPA

[Email](#) | [Website](#) | [LinkedIn](#) | [Github](#)

EDUCATION

Caldwell University Bachelor of Computer Science

Jan 2019 - Dec 2022 (Expected)

- **Courses:** OOP in Java, Web Design, Algorithms, Windows Programming, Data Structures, Linear Algebra

SKILLS

Languages: Javascript, Java, C#, Python, Typescript, HTML, CSS, SQL

Frameworks/Libraries: React, Next.js, ASP.Net Core, Nodejs, OpenCV

Technologies: Git, APIs, MongoDB, MySQL, Cypress

PROFESSIONAL EXPERIENCE

Applied Dynamic Solutions

Rahway, NJ

Web Developer Intern - Full Stack

May 2022 – Present

- Implemented RESTful web APIs with **ASP.NET** core in conjunction to different relational and non relational databases.
- Contributed in development of client facing applications for **six** different projects using **Typescript** with **React**.
- Built extensive reusable core components for the company's library including **Intro.js** tour wrapper for client onboarding.
- Introduced **Cypress** test scripts to the applications to reduce the **Unit** and **E2E** test time by almost **80%**.
- Developed a web API to manipulate the **.docx** file as **XWPF** file and then email it as **.pdf** attachment to desired user.
- Implemented **server-side pagination** in one of the projects to reduce the initial page load time considerably.

Caldwell University

Caldwell, NJ

Access Control Monitor

Jan 2020 – Feb 2022

- Worked with the office of residence life to monitor the security and safety of students.
 - Monitored video cameras and kept records of in and out visitors.
- Provided customer service to visitors of the school by connecting visitors to the right campus personnel.

PROJECTS

Progressive Weather Web Application

Aug 2022 – Aug 2022

- Developed a client side progressive web app to display the weather of input location.
 - Generated **100% score in every section of Chrome Lighthouse Report**.
- Registered and implemented fully functional service worker to provide efficient usage of cache.
- Implemented an open source API and wrote the script to convert temperatures from Celsius to Fahrenheit.
- Technologies Used: React.js, Javascript, HTML, CSS, Netlify

Share Your Project MERN Application

Mar 2022 – Mar 2022

- Developed a full stack MERN application that allows users to submit their projects filling the form.
- Built a fully functional login system using UI kit from **@material-ui** that uses jwt-token or Google OAuth token for authentication.
- Implemented a live search API that allows user to search for the projects and filter them out based on the name and languages used.
- Implemented **Server Side Pagination** to improve stability and scalability of the application.
- Technologies Used: React.js, Javascript, HTML, CSS, MongoDB, Nodejs, Express, Heroku, Netlify
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Live Chat Application

Feb 2022 – Feb 2022

- Developed a live chat application that allows users to create a group chat and exchange messages.
- Built a fully responsive UI system using UI kit from **chatengine.io** and implemented live api for authentication and fetch purposes.
- Technologies Used: React.js, Javascript, HTML, CSS, Netlify

Automated Chess Bot

Jan 2022 – Jan 2022

- Developed a fully automated chess bot to play against computer in **lichess website**.
- Implemented **openCV** to detect and extract the live chess pieces and **pyAutoGUI** to move the pieces on board.
- Developed script to write **Forsyth-Edwards Notation** based on the live position and implemented **StockfishAI** to search for the best move based on notation.
- Tested the bot against the computer and won the game against Stockfish 8 in the lichess site.
- Technologies Used: Python, OpenCV, pyAutoGUI, StockfishAI