

Biraj Khatiwada

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<https://birajkhatiwada.github.io/myPortfolio/>

<https://github.com/birajkhatiwada>

EDUCATION

Bachelors of Science in Computer Science, Sonoma State University, GPA: 3.6/4.00

Aug 2018 - May 2020

Bachelors of Science in Computer Science, Santa Rosa Junior College, GPA: 3.9/4.0

Aug 2016 - May 2018

EXPERIENCE

AutoPilot Engineer

Jan 2021 — Current

Tesla

San Mateo

- Analyzed critical data to improve the performance of Tesla's autopilot with the help of Specialized Software Interface
- Reviewed the analyzed data for correctness and improvements to have the best possible data for the neural network
- Worked in constantly changing workflow that requires fast adaptation to each workflow
- Interacted with the Computer Vision Engineer team to help improve Software Interface
- Participated in daily team syncs to discuss the vulnerability of the software
- Lead weekly team meeting to go over common mistakes regarding the use of the Specialized Software Interface

Front Desk Representative

Jun 2018 - Jan 2021

Motel 6

Santa Rosa

- Greeted guests, responded to guest inquiries and requests all within a timely manner
- Responsible for all aspects of checking in and checking out customers
- Performed nightly audits to guarantee the entire day's money transactions were performed accordingly
- Processed returns, and refunds from customers while ensuring the register totalled evenly each night
- Coordinated meeting with the entire staffs to confirm operation were running as smooth as possible
- Communicated with managers prevalent issues throughout the shift

PROJECTS

AnimeRecommendations

- <https://github.com/birajkhatiwada/AnimeRecommendations>
- Have you ever finished a show and wanted to watch another similar show? This Anime Recommendation search engine does exactly that. It also allows users to search for Animes, view trending Animes and upcoming Animes. This is all done through API "api.jikan.moe".

COVIDTravelLog

- <https://github.com/birajkhatiwada/covidTravelLog>
- I worked on a COVID Travel Log web app that allows users to plan their trips according to the severity of the current global pandemic's impact. During/after this pandemic, it's quite difficult to find a safe place to travel. So, I decided to make an app that will show the information about deaths, and confirmed COVID cases in different places. This covidTravelLog will allow users to plan their trips accordingly. Users will also be able to create logs for the places they have visited and the places that they are interested in visiting.

Morse Code

- <https://github.com/MrPintoo/MorseCode>
- Built an Android app in a team of five that reads in and outputs of Morse Code through text, vibrate, flash, and sound. Worked with Morse CodeAPI, Java, and Android Studio.
- Used Agile Methodologies specifically SCRUM.

Pathfinding Visualization

- <https://github.com/birajkhatiwada/PathfindingVisualization>
- In order to visually understand pathfinding algorithms, I implemented the A* algorithm, which will allow users to plant two points, then they will be able to create barriers within the grid. This algorithm will then explore all valid paths and return the shortest path. I worked on this project because I was extremely fascinated by the idea of how these pathfinding algorithms would look in visualization.

SKILLS

Proficient

React.js, Node.js, JavaScript, HTML, CSS, Java, Python, C++, Git

Familiar

Vue.js, MongoDB, SQL, MySQL