

NEEL TAMTAM

SOFTWARE ENGINEER

CONTACT



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[LinkedIn](#)



Seguin, TX

SKILLS

LPI Linux Essentials Certified

Java

C++

C#

Python

JavaScript

html/css

AWS

React

SQL

EDUCATION

Austin College

B.A. in Computer Science and Japanese

August 2020 - May 2024

Osaka Daigakuin University

Japanese Language

January 2023 - May 2023

Engaged in a rigorous cultural and language immersion program in Osaka, Japan. gained in-depth exposure to local customs and traditions while also achieving advanced proficiency in Japanese.

Yonsei University

Summer Abroad

June 2023 - August 2023

Immersed in South Korean culture while advancing technical expertise by completing a comprehensive course in Machine Learning.

LANGUAGES

English

Native

Japanese

Business-Proficient

Telugu

Conversational

WORK EXPERIENCE

Research Abroad

- Initiated and led a comparative analytical project examining the disparities in video game platform usage between Japanese and South Korean markets.
- Made use of quantitative and qualitative research methods, including surveys and Python, to gather diverse data for analysis.
- Utilized proficiency in Japanese to conduct all surveys with the local Japanese population in Japanese.

PROJECTS

Fitness and Nutrition Tracker

Collaborative

- Collaboratively developed a comprehensive mobile application aimed at empowering users to track and manage their fitness and nutritional goals.
- Spearheaded the designing and implementation of user-friendly interfaces, ensuring seamless user experiences.
- applied various programming languages and tools (C++, AWS, React Native) to build a cross-platform application.
- Integrated functionalities for tracking dietary intake, physical activities, and progress metrics, employing data visualization techniques for easy understanding and engagement.
- Implemented back-end services for user account management and data storage using AWS.
- Conducted user testing and feedback sessions to refine app features and usability, demonstrating a strong commitment to user-centered design.

Discord Clone

Independent

- Developed a full-featured messaging application inspired by Discord, designed to facilitate real-time text, voice, and video communication among users.
- Utilized React coupled with a reliable backend with MySQL.
- Integration of WebSocket and WebRTC for seamless delivery of real-time messaging and media communication.
- Facilitated user authentication with Clerk

Machine Learning Model for Predicting Legendary Pokémon

Independent

- Developed and fine-tuned a machine learning model using Python using the scikit-learn toolkit with the aim of predicting the likelihood of a Pokémon being legendary based on various attributes.
- Processed and analyzed a dataset of 800+ Pokémon, including features such as type, stats, and abilities.
- Experimented with different algorithms (e.g., decision trees, random forests, SVM) to find the best fit for the data.
- Achieved a high prediction accuracy of 96%, demonstrating the model's effectiveness in distinguishing legendary Pokémon.

Personal Website

Independent

- Executed front-end development, utilizing html, css, JavaScript and React; integrating responsive design principles to ensure optimal website rendering across devices and browsers.
- Implemented Google Maps API to show places I have been as a travel enthusiast.