

Suman Khadka

• sk394@uakron.edu • 470-815-0662 • <https://myportfolio-sk394.vercel.app/> • github.com/sk394

EDUCATION

University of Akron, Akron, OH

GPA: 3.9/4.0

Bachelor of Science in Computer Science

Expected Graduation: May 25

Relevant Coursework: Data Structures, ISP, Software Engineering, Big Data Programming, Machine Learning

EXPERIENCE

Student Supervisor

August 2021 – Current

Bierce Library at UA

Akron, OH

- Performed check out and check in of library materials from a public service desk.
- Provided basic level research assistance, printing assistance, & and processes lending of technology equipment to patrons.

Informatics Analyst

August 2022 - Current

The EX[L] Center at UA

Akron, OH

- Helped the University students to connect with the EX[L] initiated programs like [Un]Classes, community-engaged learning,
- Provided technical assistance to the team and worked on spreadsheets, EXL file management and handling.

SKILLS

Languages C++, C#, Python, JS, TypeScript, MongoDB, SQL, CSS

Frameworks React, Express, Next.js, ASP.Net, Tailwind CSS, Bootstrap

Technologies VS Code, Visual Studio, Git, Linux, Azure web services

Data Analysis Pandas, Scikit Learn, SPSS, R, TensorFlow, Decision Trees

PROJECTS

E-Commerce Website

- Designed a full-stack MERN pickle-selling e-commerce website with features like inventory management, admin dashboard, delivery mode change, payments using Stripe, etc.
- Developed a user-friendly and responsive front end with React, CSS, and JS.
- Built a secure back-end with Node.js, Express framework, and MongoDB.
- Implemented authentication and authorization using crypto, JWT, and bcrypt.js.

SaaS Tool

- Designed an AI SaaS tool that leverages OpenAI and Replicate APIs to provide various services like Chat completion, Video and Audio Generation, and code completion.
- Integrated clerk for secured sign-ups and logins of the users.
- Used Next.js with nested routing for seamless working in the backend and frontend.

Online Bookstore

- Designed and developed an online bookstore using ASP.NET MVC framework with C#.
- Developed a detailed user interface using HTML, CSS, and Bootstrap framework.
- Integrated secured login system using Microsoft's ASP.NET identity membership system.

TicTacToe Game

- Created a GUI game in Python using the Tkinter library where users can play with either a human player or a computer.
- Used minimax algorithm to find the best move for the computer player.

MLP neural network

- Designed an MLP into a Python class using a backpropagation algorithm.
- Used the iris dataset for testing and comparing accuracies for training and testing datasets.

EXTRA-CURRICULAR ACTIVITIES

- Member at the Everest Nepalese Student Organization
- Student Member at the UA Association of Computing chapter

Availability: Spring 2024, Summer 2024, Fall 2024