

SHIVAM BHANDARI

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EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS
Bachelor of Science, Computer Science
GPA: 3.71

Davis, CA
Graduating June 2024

Relevant coursework: Object-Oriented Programming in C++, Data Structures, Algorithm Design & Analysis, Machine-dependent Programming, Analysis of Variance and Regression, Theory of Computation, Abstract Mathematics, Probability Theory, Computer Architecture, Web Programming, Calculus

SKILLS

Python, C++/C, Assembly, MATLAB, HTML, CSS, JavaScript, ReactJS, Git

WORK EXPERIENCE

CORNISCHE

Front End Engineer

Davis, CA
March 2022 - July 2022

- Developed the frontend for webpages using React, with Redux as a state manager and Cognito for federated authentication.
- Collaborated with designers and referenced Figma to develop websites.
- Set up backend calls to Amazon Dynamo DB, from the React-Redux development server

INCLUDE

Front End Developer

Davis, CA
September 2021 – March 2022

- Built website for a non-profit organization Artruism, using HTML/CSS, React JS alongside a team of 10 developers and designers.
- Collaborated with designers and referenced Figma to develop website.
- Presented final designs and development to clients.
- Built a Weather App for Students that displays the current Weather and the location, using the UnSplash API and OpenWeatherMap

GOOGLE DEVELOPERS STUDENT CLUB

Technical Director

Davis, CA
March 2022 - May 2022

- Hosted a workshop demonstrating how to build a simple counter using React and Redux for state management.
- Led team of 3 Tech Leads through preparation for and execution of workshop

DAVIS COMPUTER SCIENCE CLUB

Director of Tech

Davis, CA
September 2022 - Present

- Upcoming Role for 2022-23. Responsible for maintenance of the website and hosting Technical Workshops.

PROJECTS

GREENVISION – WINNER HACKDAVIS 2022 - BEST COOLDAVIS HACK

- Developed an app for segregating waste into different categories and its disposal using the camera on your phone.
- Use of Machine Learning to train the model, collected about 100 data sets and improving visual recognition by collecting more data sets.
- Collaboration with the ASUCD to implement smart trashcans on the UC Davis campus to help reduce the percentage of waste diverted which can have economic and societal impacts.
- Technologies: Swift, Microsoft Azure

TEXT EDITOR

- Built a text editor in C++ with the capability to save changes, edit history, undo, redo, scroll

DATA ANALYSIS OF AMAZON AND NETFLIX DATA

- Analyzed amazon shopping data and Netflix screentime data using Jupyter notebooks and python3.

DATA STRUCTURES

- Implemented array, hash table, cursor list, priority queue without STL libraries and finding the max flow of a flow network graph in C++.

SERVER STATUS CHECKER

- Built a Server Status Checker using Python and Socket.