Jassan Dhami

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EDUCATION

Bachelor of Science, Computer Science | University of California, Davis   Sep 2022 – June 2024

Associate of Science, Computer Science | Ohlone Community College   Sep 2020 – May 2022

SKILLS/COURSEWORK

Skills: C/C++, Python, Git, Java, Linux/Unix,Terminal, GDB, Jupyter, Swift/SwiftUI, PowerBI, Databases,MongoDB,Trello

Relevant Coursework: Data Structures,Computer Networks,Algorithm Design and Analysis, Software Development & Object-Oriented Programming, Computer Architecture, Operating Systems & System Programming, Computer Networks

WORK EXPERIENCE

Software Engineering Intern | UC Davis Development and Alumni Relations   Jun 2023 – Sep 2023

• Oversaw the automation of data review for a database of thousands of entries using Python

• Optimized data retrieval and review processes with automation by Python scripting, reducing project timelines by 40%

• Enhanced data comprehension by co-creating a Power BI dashboard for interactive data visualization

• Facilitated project collaboration by assisting in setup of a project management platform, boosting efficiency

• Created documentation and standard operating procedures for data management, ensuring knowledge transfer and long-term data consistency

Marketing Chair | The Student Foundation at Davis   Jun 2023 – Jun 2024

• Managing social media platforms and strategically curating and producing engaging video content to boost club interest

Flex Employee | Target   Oct 2019 – Feb 2023

• Streamlined order processing by meeting hourly time constraints, swiftly identifying and inputting online orders

• Demonstrated organizational skills in preparing, packing, and categorizing orders impacting daily timelines

• Communicated with other team members to find, prep, and pack items creating an efficient environment

PROJECT EXPERIENCE

Impenetrable Cam ML and Image Processing Project | UC Davis   May 2024 – Jun 2024

• Leveraged ML and Image Processing to create security software to auto detect intruders using live footage

Python Scripts for Data Scrubbing and Organizing | UC Davis   Jun 2023 – Sep 2023

• Employed Python and pandas to manage, clean, and structure datasets, enhancing data quality and accessibility

• Developed data pipelines and automated data processing tasks, reducing manual effort and improving data consistency

• Utilized SQL databases and Python's libraries to extract and integrate data, enabling comprehensive data analysis

Aggie Tracker iOS Application | UC Davis Hackathon   May 2023

• Implemented calorie and macro tracking metrics of UC Davis dining hall food which can match with a set goal

• Linked MongoDB with SwiftUI to efficiently store nutrients data from dining hall website

• Employed python script which web scrapes dining hall website for nutrients data weekly to check for updated data

C Multithreading Library | Personal Project   Apr 2023

• Developed a Linux-based user-level thread library offering an interface for simulating multithreading and concurrency

• Implemented user-thread, semaphore, and preemption APIs for thread synchronization