RANA SAIDMAERUF

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EDUCATION

UNIVERSITY OF COLORADO DENVER   **Denver, Colorado**
Bachelors in Computer Science, Minor in Business and Public Health   *May 2025*
- o   **Related Coursework:** Fundamentals of Computing, Introduction to Python, Object-Oriented Programming, Data Structures, Data Systems, Business Problem Solving Tools, Technology in Business.

SKILLS

Programming: C++, Python, HTML\CSS
Tools: PyCharm, Visual Studio Code, Xcode, Git, GitHub, IDLE, OpenCV, Clion

PROJECTS

Face Detection App
C++, VS Code, and OpenCV   *February 2024*
- Developed an innovative facial detection software Utilizing CascadeClassifier for efficient and accurate detection and analysis of human facial features with high precision, showcasing advanced image processing.
- Enhances facial recognition by overlaying bounding boxes on detected faces, improving visual identification and analysis, and using OpenCV to generate and draw boxes, streamlining the analytical process.

Register Billing System
C++ and VS Code   *November 2023*
- Implemented a C++ menu-driven interface facilitating inventory management, sales, and receipt generation. Users navigate options for adding, editing, and removing items, ensuring efficient retail operations.
- Incorporated secure user authentication that differentiates employee and buyer roles, allowing only authorized personnel to edit inventory and conduct transactions, thus safeguarding data integrity.

Weather App
Python   *April 2023*
- Crafted a weather application that utilizes requests to fetch real-time data and forecasts from OpenWeatherMap API. Features unit conversion between Celsius and Fahrenheit, aiding in personalized planning and decision-making.
- Designed in an intuitive onboarding process that guides users through the application functionality with clear instructions, improving understanding and usability, leading to higher user retention.

Experience

City Donuts   **Denver, Colorado**
Manager and Social Media Coordinator   *July 2019 – Present*
- Spearheaded comprehensive store operations, including inventory management, facility maintenance, and strategic purchasing, driving operational excellence and optimizing customer experience.
- Master customer relations by leveraging conflict resolution skills to swiftly address and rectify customer complaints, enhancing brand loyalty and satisfaction metrics.
- Enhance team productivity through performance monitoring and innovative workforce optimization strategies, leading to increased efficiency and goal achievement.
- Amplify online brand presence by executing data-driven social media strategies, managing content creation, and analyzing engagement metrics to guide future marketing campaigns.

LEADERSHIP

National Society Of Black Engineers
Vice President   *May 2024 – Present*
- Assist in leading the NSBE chapter by maintaining board objectives and ensuring organization's success through community engagement initiatives.
- Coordinate events with companies, providing academic, professional, and career opportunities for members.
- Serves as a liaison between the club and campus administration to guarantee club sustainability and growth.