Yujesh Joshi

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EDUCATION

University of Nevada, Las Vegas   Las Vegas, NV
Bachelor of Sciences, Computer Engineering, August 2020 – December 2024

TECHINICAL SKILLS

Operating Systems: Linux, Windows
Languages: C, C++, Python, REXX, Assembly (MIPS, x84), SQL, JavaScript, HTML, CSS, Kotlin, Dart
Software Tools: MS Office, Excel, GIT, Azure DevOps, Visual Studio Code, Vista TN3270

EXPERIENCE

Project Engineer Intern – Wrebotics
Las Vegas, NV; August 2024 – Dec 2024
- Designed and prototyped interactive robotic kits, integrating microcontrollers, sensors, and actuators to enhance hands-on STEM education for children
- Programmed microcontrollers (Arduino, Raspberry Pi) to perform simple tasks, including movement, sensing, and interactive feedback, tailored to engage young learners
- Designed and developed instructional materials, including assembly guides and coding tutorials, to support students and educators in utilizing robotic kits effectively

Software Developer Intern- Vanguard Integrity Professionals
Las Vegas, NV; July 2022 – May 2024

- Assisted software developers using C/C++, Python, Assembler, REXX, and COBOL
- Developed a C++ program to transfer SMF data into readable format
- Gained a solid understanding of ESMs, TSO, ISPF, and other mainframe concepts
- Collaborated with development teams on REXX projects for company software

Sales Associate – The Home Depot
Henderson, NV; June 2021 – July 2022
- Greet customers and assist/understand projects that customers are working on
- Maintain knowledge of numerous products, determining the right product for the customer's best needs

PROJECTS

Discord Gamble Bot
- Created a discord bot that uses commands to simulate playing blackjack, user vs. dealer

AI Fitness Coach
- Utilizes Python to create an artificial fitness coach that gives real-time feedback on the correct form/amount of repetitions done
- Uses MediaPipe and OpenCV libraries to create a skeleton of the user's body on camera to be able to correct form and count repetitions of select exercises

Smart Fan
- Developed a smart fan system using C and Arduino, featuring real-time object tracking and automated directional control for efficient airflow management