Hibah Raza

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EDUCATION

Wilfrid Laurier University   *Waterloo, ON*
Honours BSc in Computer Science   *September 2022 – April 2026*
Relevant Courses: Intro to Programming, Data Structures I, Data Structures II, Object-Oriented Programming, Windows Application Programming, Discrete Structures for Computer Science, Digital Electronics, Software Engineering, Artificial Intelligence, Intro to Microprocessors, Computer Networks, E-commerce, Database I, Data Visualization, Algorithm Design/Analysis I, Ethics & Professional Practice

TECHINICAL SKILLS

Python, Java, C, JavaScript, HTML, CSS, VBA, Git, Virtual Studio Code, Eclipse, Microsoft Office

PROGRAMMING PROJECTS

Smart Home Automation System Interface
Java
- Designed and implemented a user-friendly graphical user interface (GUI) for managing lighting and thermostat settings, providing users with instant control and customizable automation features.
- Created a modular and adaptable system that supports both immediate control and scheduled automation, ensuring reliable performance and a seamless user experience in home automation.
- Worked collaboratively in a team of five to deliver a comprehensive Smart Home Automation System Interface, contributing to the design, development, and testing of the system's key functionalities.

Facial Expression Identification
TensorFlow, Keras API, OpenCV & Gradio
- Applied advanced pre-trained models like VGG16, ResNet50, and InceptionV3 to classify facial expressions into seven distinct categories, optimizing the model selection for high accuracy in image processing tasks.
- Developed a custom CNN model using TensorFlow and Keras API, comparing its performance with pre-trained models on a Kaggle-sourced facial expression dataset, demonstrating proficiency in model architecture and evaluation.
- Conducted an in-depth analysis of model performance using various metrics, resulting in a detailed report on the effectiveness of pre-trained versus custom CNN models for facial expression identification.

Personal Portfolio
JavaScript, HTML & CSS
- Created a personal portfolio using JavaScript, HTML, and CSS, showcasing projects and skills with a modern and responsive design that is optimized for both desktop and mobile viewing.
- Deployed the portfolio live on GitHub, providing accessible demonstrations of technical abilities and project work to potential employers and collaborators.
- Ensured that the website is fully responsive, offering a nice user experience across all devices, including smartphones, to effectively reach a broader audience.

WORK EXPERIENCE

Exam Proctor
Lazaridis School of Business & Economics at Wilfrid Laurier University   *August 2024 – Present*
- Monitored student activities during exams to ensure a secure and distraction-free testing environment, upholding academic integrity.
- Effectively communicated exam rules and managed the distribution and collection of test materials, ensuring accurate record-keeping.
- Provided timely assistance to students with questions or issues during exams, maintaining a supportive and professional atmosphere.

Cashier/Merchandiser
Shoppers Drug Mart   *February 2022 – June 2022 & January 2023 – March 2023*
- Processed purchases using the point-of-sale system and handled cash, card transactions thoroughly.
- Managed inventory by restocking shelves and maintained a clean and organized store environment.
- Accommodated using a portable data terminal (PDT) any inventory management, including receiving and verifying deliveries, monitoring stock levels, and conducting cycle counts.

LEADERSHIP EXPERIENCE

Director of Events
Laurier Women in Computer Science   *July 2024 – Present*
Graphic Designer to Vice President of Content
Laurier Cybersecurity and Infosecurity   *January 2023 – Present*
Director of Operations
The GoldenHack 6.0   *June 2024 – Present*
Volunteer
HawkHacks   *May 2024 – May 2024*
Marketing Management
Ontario-Students Virtual Reality Association   *December 2022 – April 2024*