Syed Rafae Hashmi

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EDUCATION

Wilfrid Laurier University   Waterloo, ON
Honours Bachelor of Science, Computer Science Co-op – Big Data Systems and Data Analytics Minor   2022 – 2026

WORK EXPERIENCE

PANDORA Sherway | *Sales Associate*   April 2023 - September 2023
- Provided personalized product recommendations to customers, leading to a **15%** upsell rate.
- Collaborated with team members to achieve monthly sales targets, consistently meeting or exceeding KPIs by **10%**
- Established lasting connections with customers, enhancing the branch's reputation and success.

Brickworks Academy | *LEGO Robotics Instructor*   July 2022 - September 2022
- Developed and implemented curriculum resulting in a **25%** increase in student engagement.
- Taught a variety of code practices and skills using the FRC Mindstorms EV3 Software.
- Managed a budget of **$500** for materials and equipment, achieving a **95%** utilization rate.

TECHNICAL SKILLS

Languages/Frameworks/Libraries: ARMv7 Assembly, Bootstrap, C, C#, C++, CSS, HTML, Java, JavaScript, Matplotlib, NumPy, Pandas, Python, R, React.Js, SQL, Scikit-Learn, VBA
Tools/Technologies: Access RDBMS, Canva, Eclipse, Excel, Git, GitHub, IntelliJ IDEA, Jupyter, Microsoft Power Platform, Microsoft Office, Microsoft SQL Server, Microsoft Visual Studio Code, MongoDB, MySQL, Node.Js, PowerPoint, Ubuntu, Windows, Word

PROJECTS

Bulldozer Price Analysis
Python, Jupyter Notebook
- Developed a machine learning project, predicting future trends of Bulldozer pricing, using regression models.
- Enhanced data analytics on a **100000+** observations dataset using tools like pandas, seaborn, and scikit-learn.
- Improved algorithm performance with a comprehensive confusion matrix using various regression models.
- Delivered a **0.958** accuracy for a predictive model, substantiated with a plotted regression graph.

Laurier Student Study Hub
JavaScript, HTML, CSS, React, Firebase
- Developed a fully functional website and chat application using JavaScript, HTML, CSS, and Firebase authentication, offering a seamless user interface and secure backend.
- Boosted application security and data protection with Firebase authentication and cloud storage, implementing encryption and successfully resolving over **30+** security bug tickets.
- Enhanced chat application functionality with the integration of features such as image/video support and multi-user chat rooms, increasing user interaction and resulting in the completion of **25+** feature tickets.

AI Sudoku Solver
Python
- Improved algorithm performance with **AC3** algorithm, reducing the search space and constraint propagation.
- Used a dictionary based implementation with **3+** dictionaries and **80+** values each.
- Utilized backtesting to validate the solver's effectiveness across various difficulty levels of Sudoku puzzles.
- Average solving time of ~**2 seconds** per puzzle, showcasing efficiency of algorithm.

VOLUNTEER EXPERIENCE

HawkHacks | *Event & Logistics Coordinator*   September 2023 - Present
- Organize and structured workshop and events for a Hackathon of over **800** participants.
- Procured over **$20,000** in funding by effectively liaising with sponsors.
- Demonstrated adept budgeting skills ensuring optimal resource allocation.