

# RIDDHIMA GARG

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## EDUCATION

<b>Honours Bachelor of Science – Computer Science</b> <i>Toronto Metropolitan University</i> <b>Relevant coursework:</b> <i>Databases I, Web Development I/II, Data Mining, Machine Learning, Algorithms, UNIX, Software Engineering I</i>	June 2025 Toronto, ON
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## SKILLS

<b>Programming Languages:</b> Python, HTML/CSS, Javascript, React, SQL, Oracle DB, MongoDB
<b>Developer Tools:</b> GitHub, VS Code, Azure AI Cognitive Services & Image Recognition, SDLC
<b>Soft Skills:</b> English, Hindi, Punjabi, and ASL, Team player, Creative personnel, Detail-Oriented

## EXPERIENCE

<b>City of Markham – Aaniin Community Centre</b> <i>Computer Specialty Instructor</i>	Sept. 2025 – Present Markham, ON
<ul style="list-style-type: none"><li>Design and lead engaging computer-based educational programs including Intro to Coding, C++, AI for Juniors, and Typing, tailored to various age groups and skill levels</li><li>Plan and deliver weekly lesson plans customized to suit participant needs, ensuring developmental progression</li><li>Maintain a safe, inclusive, and well-organized learning environment in line with City policies</li><li>Prepare instructional materials, manage attendance, and communicate program updates to supervisors and parents</li><li>Collaborate effectively with staff and demonstrate strong leadership and communication skills</li></ul>	
<b>Global Spark - Digital &amp; Analytics</b> <i>Software Developer</i>	June 2025 – Present Remote, Canada
<ul style="list-style-type: none"><li>Develop new and upgrade existing technology stack for the organization through sprints, SDLC, and code reviews</li><li>Contribute to Global Spark's digital strategy and promote ethical, safe and intelligent use of AI</li><li>Lead logistical collaboration efforts to support key events, especially, Hack the Globe Hackathon</li></ul>	
<b>TMU Entrepreneurship Association</b> <i>Website Manager</i>	Sept. 2024 – Apr. 2025 Toronto, ON
<ul style="list-style-type: none"><li>Managed and redesigned the Squarespace website, and updated visual elements to improve branding and UX</li><li>Updated and published digital event content monthly, ensuring timely and accurate information delivery</li><li>Converted event flyers and content into digital formats (PDF, web), ensuring accessibility and consistency</li><li>Provided basic design and formatting guidance to team members unfamiliar with Squarespace or editing tools</li><li>Reported monthly web analytics to execs, demonstrating strong data interpretation and communication skills</li></ul>	
<b>Code Ninjas</b> <i>Senior Sensei</i>	July 2021 – Nov. 2024 Brampton, ON
<ul style="list-style-type: none"><li>Led development of Python curriculum, resulting in a 30% increase in student enrollment within six months</li><li>Supervised Lego Robotics, 3D Design &amp; Print, and Web Dev. camps, achieving 95% satisfactory parent feedback</li><li>Taught students the fundamentals of game development using Javascript and C# improving in students' understanding of programming concepts</li><li>Provided troubleshooting support to students and staff for debugging code and resolving technical issues</li></ul>	
<b>Microsoft Canada Headquarters</b> <i>Microsoft Program Management Intern</i>	May 2022 – Aug. 2022 Toronto, ON
<ul style="list-style-type: none"><li>Developed an AI-powered chatbot during the Microsoft Canada Foundational Skills Hackathon, that enabled users to upload bicycle images to query an SQL database for matching bicycle parts, improving search efficiency and UX</li><li>Acquired certification in Microsoft Technologies and Business, including Azure Fundamentals and AI Business School, following 4 weeks of intensive training, achieving a 100% pass rate</li><li>Received mentoring and support from Microsoft employees increasing understanding of their roles by 25%</li></ul>	

## PROJECTS

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<b>Pokémon Type Prediction ML Model</b>   <i>Python, Pandas, NumPy, Scikit-learn, Matplotlib</i>	Mar. 2025 – Apr. 2025
<ul style="list-style-type: none"><li>Achieved highest accuracy of 89.8% in predicting Pokémon types, using a Random Forest Classifier after experimenting with multiple supervised and unsupervised models</li><li>Preprocessed and aligned 1,000+ .csv data instances, including label encoding, mean imputation, and filtering 50+ attributes to prepare clean numeric input for models</li><li>Applied advanced feature reduction using heatmaps &amp; backward elimination, improving efficiency, minimal accuracy loss</li><li>Conducted cross-validation and hyperparameter tuning to optimize model performance, reaching a peak accuracy of 86%</li></ul>	
<b>Lane Detection Software</b>   <i>Python, Computer Vision, CNN Machine Learning</i>	Oct 2024 – Dec 2024
<ul style="list-style-type: none"><li>Collaborated with a team, utilizing an open-source machine learning model and researched dataset</li><li>Preprocessed and aligned 1,000+ data instances, then trained and optimized a sequential deep learning model</li><li>Tested the trained model on unseen data, evaluated performance metrics, and extracted results</li><li>Scheduled biweekly meetings, coordinated availability, and booked meeting spaces to ensure team collaboration</li></ul>	
<b>Portfolio Website</b>   <i>HTML, CSS, JavaScript, GitHub</i>	December 2023 – Aug. 2024
<ul style="list-style-type: none"><li>Developed and maintain a user-friendly personal website, garnering over 50 unique visitors monthly</li><li>Implemented responsive design principles, resulting in a 30% increase in mobile user engagement</li><li>Incorporated light and dark theme options, improving readability by 20%</li></ul>	
<b>Ticket Purchasing System GUI App</b>   <i>IntelliJ, Java OOP, Java Swing</i>	Feb 2023 – Apr 2023
<ul style="list-style-type: none"><li>Followed SDLC methodologies, UML design and JUnit testing, to ensure 90% of functional requirements were met and defects were minimized</li><li>Demonstrated strong project management skills by scheduling meetings, assigning tasks, preparing reports for each SDLC phase, and organizing final documentation</li></ul>	

## CERTIFICATIONS

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<b>CPR Standard First Aid</b>	Sept. 2024
<b>G Driving License</b>	July 2023
<b>Microsoft Azure Fundamentals (AZ-900)</b>	July 2022
<b>Racism, Racial Discrimination &amp; Human Rights</b>	March 2021
<b>Ontario Human Rights Code and the AODA</b>	March 2021
<b>Worker Health and Safety Awareness</b>	March 2021

## REFERENCES

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Available upon request.