

RIDDHIMA GARG

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EDUCATION

Honours Bachelors of Science – Computer Science

Toronto Metropolitan University

June 2025

Toronto, ON

Relevant coursework:

Databases I, Web Development I/II, Data Mining, Machine Learning, Algorithms, UNIX, Software Engineering I

SKILLS

Programming Languages: Python, HTML/CSS, Javascript, React, SQL, Oracle DB, MongoDB

Developer Tools: GitHub, VS Code, Azure AI Cognitive Services & Image Recognition, SDLC

Soft Skills: English, Hindi, Punjabi, and ASL, Team player, Creative personnel, Detail-Oriented

EXPERIENCE

City of Markham – Aaniin Community Centre

Computer Specialty Instructor

Sept. 2025 – Present

Markham, ON

- 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
- Plan and deliver weekly lesson plans customized to suit participant needs, ensuring developmental progression
- Maintain a safe, inclusive, and well-organized learning environment in line with City policies
- Prepare instructional materials, manage attendance, and communicate program updates to supervisors and parents
- Collaborate effectively with staff and demonstrate strong leadership and communication skills

Global Spark - Digital & Analytics

Software Developer

June 2025 – Present

Remote, Canada

- Develop new and upgrade existing technology stack for the organization through sprints, SDLC, and code reviews
- Contribute to Global Spark's digital strategy and promote ethical, safe and intelligent use of AI
- Lead logistical collaboration efforts to support key events, especially, Hack the Globe Hackathon

TMU Entrepreneurship Association

Website Manager

Sept. 2024 – Apr. 2025

Toronto, ON

- Managed and redesigned the Squarespace website, and updated visual elements to improve branding and UX
- Updated and published digital event content monthly, ensuring timely and accurate information delivery
- Converted event flyers and content into digital formats (PDF, web), ensuring accessibility and consistency
- Provided basic design and formatting guidance to team members unfamiliar with Squarespace or editing tools
- Reported monthly web analytics to execs, demonstrating strong data interpretation and communication skills

Code Ninjas

Senior Sensei

July 2021 – Nov. 2024

Brampton, ON

- Led development of Python curriculum, resulting in a 30% increase in student enrollment within six months
- Supervised Lego Robotics, 3D Design & Print, and Web Dev. camps, achieving 95% satisfactory parent feedback
- Taught students the fundamentals of game development using Javascript and C# improving in students' understanding of programming concepts
- Provided troubleshooting support to students and staff for debugging code and resolving technical issues

Microsoft Canada Headquarters

Microsoft Program Management Intern

May 2022 – Aug. 2022

Toronto, ON

- 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
- 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
- Received mentoring and support from Microsoft employees increasing understanding of their roles by 25%

PROJECTS

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

CERTIFICATIONS

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

REFERENCES

Available upon request.