

Rishi Gandhi

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Experience

School of Graduate Studies – Memorial University of Newfoundland

March 2024 – April 2024

Special Projects Assistant/Web Developer

St. John's, NL

- Led the overhaul of Memorial University's official website for graduate Studies to enhance visual appeal, functionality, and user experience.
- Employed advanced SEO strategies for improved visibility and accessibility.
- Conducted thorough assessments of Memorial University's website compared to other universities. Identified strengths, weaknesses, and areas for strategic improvement.

School of Pharmacy – Memorial University of Newfoundland

September 2023 – December 2023

Bioinformatics Developer

St. John's, NL

- Spearheaded the creation of an advanced protein secondary structure display system to surpass the industry standard, STRIDE.
- Programming Languages: Python
- Libraries: BioPython, Matplotlib, Tkinter, PyTest, NumPy
- File Handling: Reading and processing PDB files converted to text and various other formats.
- Algorithmic Logic: Created an algorithm for parsing and extracting relevant information from complex data.
- Technologies Used: Python, Tkinter, BioPython, PyTest, NumPy, Protein Data Bank, GitHub, Jupyter

Regional Analytics Laboratory (RANLab)

September 2022 – April 2023

Tech Expert/Advisor

St. John's, NL

- Database Management: Handled the upgradation of the lab's database system, ensuring compliance with required specifications.
- Research and Analysis: Conducted thorough research on alternative database systems and provided valuable insights for decision-making.
- Project Management: Contributed to a seamless transition during the database upgrade process.
- Performance Optimization: Implemented improvements to the database system, enhancing overall performance and reliability.

Education

Memorial University of Newfoundland

September 2020 – May 2024

Bachelor of Science in Computer Science (Smart Systems), Minor in Business Administration

St. John's, NL

Projects

Sudoku Solver | *JavaScript, Genetic Algorithm, Roulette Wheel Selection, HTML 5*

October 2023

- Implemented a genetic algorithm in JavaScript for optimization problems, employing roulette wheel selection, crossover, and mutation.
- Developed a Sudoku fitness function using OOP, sets, and logical thinking.
- [GitHub Repository](#)

Last Day Survival | *Visual C++*

December 2023

- Designed video game aspects such as graphics, scripts, and a user interface using Visual C++.
- [YouTube Trailer](#)

Ping-Pong AI Opponent | *Python 3.x, Pygame*

January 2024

- Developed a newer version of Ping-Pong, to test AI algorithms for opponents.
- Implemented real-time ball and paddle movement, collision detection, and user interface elements, emphasizing attention to detail and algorithmic thinking.
- [GitHub Repository](#)

Powered by AI | *LinkedIn Newsletter*

February 2024

- Started a new newsletter format, adapting to the development of AI in recent years and diverting from a traditional method of manually written newsletters to harnessing artificial intelligence to educate and inform people about AI, written by AI itself.
- [Subscribe on LinkedIn](#)

Certifications

Bloomberg Market Concepts

January 2024

Credential ID: <https://portal.bloomberforeducation.com/certificates/XXUQ4wagDCUqi6AcPZT4djj7>

Fundamentals of Digital Marketing

February 2024

Credential ID: <https://skillshop.exceedlms.com/student/award/bnkWcznYPTen9NfVYCDMXctm>