

INTESAR RAIYAN RAHMAN

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PROFESSIONAL SUMMARY

Detail-oriented Computing Science student at the University of Alberta with a strong, dedicated foundation in data analysis, artificial intelligence, and software development. Experienced in real-world problems through research projects and personal initiatives. Proficient in Python, C++, and Java, with a proven track record of developing AI-based solutions and interactive applications and seeking opportunities to leverage technical skills in data analysis and AI Development.

INTERESTS

Data Visualization, Encryption, Group Theory, Algorithms, Statistics, Software Development, UI Development, Data Analysis, Game AI.

EDUCATION

University of Alberta <i>Bachelor of Science in Computing Science and Psychology</i>	Class of 2026 <i>Edmonton, Alberta</i>
<ul style="list-style-type: none">CS Courses: Data Structures, Algorithms, Encryption, Decryption, Software Systems, Computer SystemsPsychology Courses:Math (Extra Courses): Linear Algebra, Ring Theory, Real Analysis, Calculus 2	

EXPERIENCE

University of Alberta <i>Personal Project</i>	Sept 2024 - Present <i>Edmonton, Alberta</i>
<ul style="list-style-type: none">Worked with classmates using Unity and C# to create an interactive 3D Pac-man Game with Artificial Intelligence Agents. Involving AI navigation, analytics, textures, and version controls.	
University of Alberta <i>Computer Science Research</i>	Sept 2023 - Apr 2024 <i>Edmonton, Alberta</i>
<ul style="list-style-type: none">Applied graph theory and reinforcement learning techniques on a team to create four unique artificial intelligence agents in Python and JavaScript to solve the abstract strategy board game Geodesic Y.Wrote a Python script that automatically runs hundreds of game simulations to collect and analyze data to evaluate the effectiveness of different AI techniques.	
University of Alberta <i>Computer Science Research</i>	Sept 2022 - Apr 2023 <i>Edmonton, Alberta</i>
<ul style="list-style-type: none">Preprocessed and analyzed fMRI data in Python to find the correlations between ASD (Autism Spectrum Disorder), and brain activity regions in response to visual stimuli.Obtained ~10,000 language data points from respondents and organized data using natural language processing methods.	

PROJECTS

AI Fragrance Creator: Using Python and AI, as well as knowledge regarding Brain & Behaviour, I created a personal interface that asks users input on many specific questions to produce a very user-specific fragrance. It is based on factors such as favourite season, preferred longevity, favourite notes, favourite activities, etc.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++ / C, R, MATLAB, SQL
Web Development: HTML, CSS, React, Redux
Technologies: Git, Linux, Microsoft Office, Adobe Creative Cloud
Soft Skills: Communication, Team Work, Analytical & Critical Thinking, Problem Solving, Independence.

AWARDS / ACCOMPLISHMENTS

Wendy & Chris Batty Masonic Award	2021
Honours with Distinction & Principles Award	2021
97% High School Average - ranked 5/937 in my class	2021