

# Aryan Rusia

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[linkedin.com/in/aryan-rusia-82a761170/](https://www.linkedin.com/in/aryan-rusia-82a761170/) | <https://github.com/Aryan-Rusia-2/> | [Portfolio](#)



Engineering  
at Alberta

## EDUCATION

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### Bachelor of Science in Computer Engineering

University of Alberta  
Cumulative GPA (Last 60 credits)

Class of 2025  
3.6 / 4.0

## RELEVANT COURSEWORK

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- Machine Learning
- Data Structures
- Data Analytics
- Computer Interfacing
- Database Management System
- Object Oriented Programming

## WORK EXPERIENCE

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### Co-founder and CTO at SnowBotics

Dec 2022 - Present

- Co-founded and led tech initiatives, propelling our startup to the Top 20 in Edmonton within 6 months.
- Led a 2-member tech team, ensuring weekly progress through coordinated schedules and effective collaboration.
- Strategically aligned technology requirements with budget constraints, securing CFO approval.
- Directed the recruitment process, conducting approximately 15 interviews in the hiring of contract workers.
- Showcased SnowBotics to potential investors and diverse audiences across more than 10 platforms.
- Got selected to more than 4 prominent events like Startup TNT, Collision, Alberta Catalyzer, and Alberta Innovates.
- Secured a spot at Collision, North America's largest tech conference, showcasing the world's top 1500 startups.
- Managed social media and website, implementing SEO for a notable daily 1000 impressions.
- Achieved funding of around \$10,000 through winnings in diverse competitions.

### Research Intern | Under Professor Dr. Jie Han

Jan 2023 – Apr 2023

- Explored the applicability of Ionic Devices in the Ising model.
- Carried out experiments, examined data, and exhibited findings at an event within university.
- Nominated as HQP (Highly Qualified Personnel) for NSERC report by the professor for exceptional contributions.

## PROJECT EXPERIENCE

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### [Laptop Price Predictor](#) | Machine Learning

Dec 2023

- Engineered a user-friendly "Laptop Price Predictor" leveraging Streamlit, scikit-learn, and NumPy.
- Compared models including ridge regression, decision tree, KNN, and Random Forest, achieving an 80% average accuracy.
- Demonstrated Random Forest's exceptional efficacy with **88% accuracy**, surpassing other models.

### [WhatsApp Chat Analyzer](#) | Data Analysis

Nov 2023

- Analyzed and presented more than 6 insights into user engagements patterns within WhatsApp conversations.
- Formulated the tool to adeptly analyze both individual and group WhatsApp chats.
- Leveraged Pandas, URL Extract, Emoji libraries for insightful analysis like URL statistics, emoji patterns and word clouds.

### [Kessler Game Controller](#) | Machine Learning

Oct 2023

- Implemented fuzzy logic for precise aiming, firing, and thrust decisions in the game.
- Employed genetic algorithms to enhance the fuzzy system, resulting in a notable 17% performance improvement.
- Secured **2<sup>nd</sup> place** in Kessler game competition at the university, competing against 16 teams.

### [University Website Template](#) | Web Development

Oct 2022

- Designed a template for a multi-page (5 pages) university website using HTML, CSS, and JS.
- Learned to do website animations using CSS and JavaScript

## TECHNICAL SKILLS

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**Languages:** Python, SQL, MongoDB, Java, HTML, CSS, JavaScript, React, Nodejs

**Software:** Excel, PowerPoint, Premiere Pro, After Effects, Canva, Blender, ChatGPT.

**Tools and Libraries:** NumPy, Matplotlib, Streamlit, Scikit-Learn, Git, AWS, Docker, Plotly, MySQL, Flask, Pandas, TensorFlow

## PROFESSIONAL AFFILIATIONS & CERTIFICATES

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- CSTS Certificate - Alberta Construction Safety Association (Sept 2020)
- WHMIS - Workplace Hazardous Material Information System (March 2021)
- Awarded **Academic Distinction** in 3rd year for outstanding academic performance.