

# RIFAT HAQUE

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## Education

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**Bachelor of Science, Software Engineering**

**Sept 2018 - Apr 2023**

**University of Calgary, Schulich School of Engineering**

- GPA of 3.6 with honors
- Relevant courses include Big Data, Data Base Management, and Machine Learning

## Experience

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**Full-Stack Developer Intern**

**Jan 2022- Apr 2022**

**VistaVu Solutions**

- Drove Full Stack development initiatives leveraging modern technologies such as AWS for seamless cloud storage, NodeJS for responsive API endpoints, and ensured reliability through Unit Testing
- Collaborated with Senior Developers in the successful creation of Resolv; a wholesale distribution technology through which logistics, distribution, and warehouse management under a single solution
- Managed a quality codebase through building responsive UIs and fast responding APIs, to provide a seamless customer experience

## Projects

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**Flexiform - Captone Project – Unity**

- Developed a 3D modelling tool, tailored to support medical professionals and patients in the realm of prosthetics, streamlining their workflow and enhancing precision
- Designed and developed an intuitive user interface optimized for accessibility, prioritizing ease of use for individuals with minimal or no prior AutoCAD experience, thereby democratizing access to advanced technology. Additionally, provided as a web app for ease of access

**ML classification on medical dataset – Databricks**

- Developed classification machine learning models to predict the need for diabetes medication
- Created ML workflows such as data processing, exploratory data analysis, and model training. Utilizing Databricks and Apache Spark to efficiently process over 10 000 medical entries
- Applied hyperparameter tuning techniques to optimize model performance, resulting in more accurate predictions

**Fatsim – C++**

- Developed a DFS algorithm in C++ to find the longest chain in a graph, optimizing for efficiency and speed
- Demonstrated deep understanding of efficient data structures and time optimizations to achieve the fastest correct results
- Maintained brevity and excellent documentation in code implementations to ensure ease of understanding and seamless code reviews

## Skills

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**Coding languages:** JAVA, C/C++, HTML/CSS, JavaScript, React/ React-Native, C#, Python

**Other Technologies:** Git, SQL, NoSQL, XML, Unix/Linux, UML 2.0, Azure AI Fundamentals, AWS, Postman, Soup UI, Hadoop, Spark, Databricks