

# RIFAT HAQUE

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## Education

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**Bachelor of Science, Software Engineering**  
**University of Calgary**

**Sept 2018- Apr 2023**

**Advanced React by Meta**  
**Coursera Certificate**

**Oct 2023 – Nov 2023**

## Projects

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### **Flexiform - Captone Project – Unity**

- Developed a 3D modelling tool, made to design prosthetics targeting patients and doctors working with amputees
- Produced through the Unity game engine, demonstrating a deep understanding of C# through creation of mesh cutting algorithms
- Demonstrated understanding of XML and CSS in creation of UI/UX designs
- A 3D modelling tool developed to help people design prosthesis without a thorough understanding of AutoCAD tools

### **ML classification on medical dataset – Databricks**

- Developed classification machine learning models to predict the need for diabetes medication
- Orchestrated ML workflows, including data processing, exploratory data analysis and model training, utilizing Databricks and Apache Spark to efficiently process a large medical dataset
- Applied hyperparameter tuning techniques to optimize model performance, resulting in more accurate predictions

### **Work-Order DBMS – JavaScript**

- Developed a Database Management System utilizing JavaScript, Bootstrap5, and ExpressJS through NodeJS to produce RESTful API endpoints
- Maintained work order data in a relational database through MySQL
- An emulation of an ERP system project to increase the efficiency of a glass fabrication company

## Experience

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### **Student developer**

**Jan 2022- Apr 2022**

#### **VistaVu Solutions**

- Full-stack development, utilizing AWS for cloud data management, Node.js for backend, and Angular for front-end development
- Demonstrated excellent teamwork in the development of an ERP system known as Resolv
- Worked in an AGILE environment with daily SCRUMs and stand-ups
- Created API endpoints using RESTful architecture, and API testing using postman
- Utilized software best practices to build a maintainable, and quality codebase

## Skills

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

**Coding Frameworks:** Bootstrap, Nodejs, Express.js, Angular, React

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