



# BILAL UDDIN

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## Summary of Qualifications

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- 4+ years of academic programming experience with Python, Matlab, and C++
- Built my own website using HTML and CSS ([website link](#))
- Database design: currently working on a team project to design a POS system for small businesses
- Data analysis and visualization skills using Python, R, Matlab, and MS Excel
- Excellent problem solving skills
- Ability to work independently as well as in a team environment
- Working knowledge of cloud computing platform AWS (EC2)

## Education

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**College of North Atlantic**

*Diploma in Software Development (Co-op)*

**Sep. 2021 – Sep. 2024**

*Prince Philip Drive Campus, St. John's, NL*

**Memorial University of Newfoundland**

*M.Sc. in Applied Mathematics (Thesis)*

**Sep. 2016 – Sep. 2018**

*St. John's, NL, Canada*

**Shahjalal University of Science & Technology**

*B.Sc. in Mathematics*

**Dec. 2009 – Jan. 2014**

*Sylhet, Bangladesh*

## Thesis and Project

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**M.Sc. Thesis** | *Revisionist Integral Deferred Correction Methods with Application to Moving Mesh Strategies*

- Developed an algorithm to solve time-dependent partial differential equations (PDEs).
- Implemented the algorithm using time-parallel Revisionist Integral Deferred Correction (RIDC) Methods
- Combined the moving mesh methods to the RIDC methods.
- Converted the codes in Matlab (RIDC library was written in C++) for easy visualization.
- Relevant codes are available on Github: ([source codes](#))

**Course Project** | *Website Design*

- Built my own website using HTML and CSS.
- Will implement JavaScript to make it dynamic and more interactive.
- Project URL on Github: ([project link](#)) and ([live website](#))

**Course Project** | *Database Design for Point of Sale (POS) System*

- This is a group project (currently working on it)
- Have designed the required Entity Relationship Diagram (ERD) and dependency diagrams
- Will create tables and establish relationships between the tables in MySQL
- Will create Graphical User Interface (GUI) using Python and link the SQL codes to GUI

## Experience

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### Memorial University of Newfoundland

Sep. 2016 – Sep. 2018

#### *Research & Teaching Assistant*

*St. John's, NL*

- Worked on a research project with my thesis supervisor (Dr. Ronald Haynes)
- Worked as a tutor at the Math help centre.
- Graded assignments and exam papers for undergraduate Math courses.
- Uploaded students' grade to D2L.
- Helped course instructors in final exams invigilation.

### S&P Data Digital

October 2018 – May 2019

#### *Call Center Customer Service Associate*

*St. John's, NL*

- Resolved customers' complaints and provided excellent customer service.
- Provided customers with basic technical support about cellphone networks and redirected them to IT departments when there was a serious technical issue.
- Worked as a floor support to assist the newly hired co-workers.

### EMK-Investment Ltd. (Burger King)

May. 2019 – August 2021

#### *Assistant Manager*

*194 Totbay Rd., St. John's, NL*

- Supervised 5-10 team members and trained new employees.
- Answered phone calls, and resolved customers' complaints.
- Monitored hourly sales, counted cash, and prepared daily sales reports.
- Ensured that team members always followed health and safety protocols.

## Certifications

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### LinkedIn Learning

- Machine Learning with Python Foundations
- Data Analytics for Students
- Data Visualization for Data Analysis and Analytics

### Coursera

- Database Design and Basic SQL in PostgreSQL
- SQL for Data Science