Shishir Zaman

2150, Rue Saint Marc, Montreal, Quebec, Canada.

Mobile: (+1)819-570-5040   **E-mail:** shishirjaman.sj@gmail.com

Gender: Male. **Date of Birth:** 8th July, 1996. **Marital Status:** Single **Nationality:** Bangladeshi

OBJECTIVE STATEMENT

A result-driven young professional with an interest in research and development for human welfare and well-being. Ambitious, Hardworking, a fast learner and a team player. Willing to learn and explore new skills to constantly improve and gain new experience.

EDUCATION

- **Bishops University, Canada**   **January, 2024.**
  M.Sc. Computer Science (pursuing)   CGPA (4.00/4.00)

- **East West University, Bangladesh**   **October, 2021.**
  B.Sc. Computer Science and Engineering   CGPA (3.56/4.0)

- **Honors and Awards**: Medha-Lalon Fund (university scholarship) for achieving a CGPA of 3.5 or above on average for three consecutive semesters.

CERTIFICATIONS

- Programming for Everybody (Getting Started with Python) (Coursera)   2020
- Mathematics for Machine Learning: Linear Algebra (Coursera)   2020
- Introduction to TensorFlow for Artificial Intelligence,   2021
  Machine Learning, and Deep Learning (Coursera)

WORKSHOPS/CONFERENCES

- **International Conference on Machine Intelligence and Data Science Application (MIDAS), 2021:** I joined as a representative of our paper and presented our paper in the conference.
- **"Asho Robot Banai"- First ever reality TV show in Bangladesh on Robotics at East West University (organized by CSE Department), 2018:** I work as a volunteer of the event.

PUBLICATIONS

Zaman, S., Nayeem, M., Tatrapi, R., & Ripon, S. (2022). Deep Learning Approach for Electricity Load Forecasting Using Multivariate Time Series Data. In Machine Intelligence and Data Science Applications (pp. 805-818). Springer, Singapore.

WORK EXPERIENCE

East West University, Bangladesh (2021)

Teaching Assistant: I instructed undergraduate students on Structured Programming, Object-oriented Programming and Operating System, respectively. I work as a tutorial assistant at the Department of Computer Science and Engineering in East West University, where I mark undergraduates' assignments, tests, exams, reports, and term papers. I also work as a lab assistant in the same department.

BJIT Limited (Software Engineer) (2022-present)

SDNA Remote Camera Tool (RCT): Currently I am working for **Sony Digital Network Application (SDNA)**, Japan as an offshore engineer of BJIT Limited. I'm updating the Remote Camera Tool with new features and resolving bugs. It is a desktop application and is built using Microsoft Foundation Classes (MFC). This tool's function is to remotely operate supported Sony cameras with all functionalities. The anticipated completion date for this project is May 2023.

OSHKOSH Snow Truck Vehicle Interface Module (VIM): I worked for **OSHKOSH Corporation, USA** as an offshore engineer of BJIT Limited. Performed testing on new CL-450 CAN BUS module from HED Inc. Migrated old VIM to the new CL-450 module. Implemented and tested all changes. Updated VIM to be used by snow trucks developed by OSHKOSH Corporation, USA.

ATM Machine: Created a physical demo of an ATM system. The demo included reading and writing to programmable RFID cards, Real Time Operating System (RTOS), IR sensors and Sonar sensors.

PERSONAL SKILLS

- **Technical Skills**

  - **Language:** C, C++, Python, JavaScript, HTML, CSS, Chart js, LATEX.
  - **Data Analysis, Processing and visualization:** Pandas, SciPy, Matplotlib, Seaborn.
  - **Framework:** Scikit-learn, Keras, Tensorflow 2, Django.
  - **UML diagrams Tools:** Draw.io, Lucid chart, Visual Paradigm.
  - **Database:** Oracle, MySQL, Sqlite3.
  - **Coding Standard:** Barr-C, MISRA-C.
  - **Hardware:** ATmega32, Arduino, STM32, ESP32, Beagle-bone Black, CL-450(HED).
  - **Simulator:** Orchestra, PCAN, Proteus, EMU8086.
  - **Operating System:** Windows, Linux (Ubuntu).

- **Other Skills**

  - Working with metal and acrylic parts.
  - Good knowledge of Schematics diagrams and data sheets.
  - Good at spoken and written English
  - Fast learner
  - Work well under pressure
  - Good at understanding others
  - Willing to take criticism and improve on them

ROLES AND RESPONSIBILITIES

- Volunteer Member, East West University Robotics Club   2018-2020
- Weekly competitive programing participant,   2020
  East West University Computer Programming Club

PERSONAL PROJECTS:

- **Emotion Detection from Text (Twitter Tweets):** Natural Language Processing based project which detects emotion of the text writer from the text.
  Tools: WordNetLemmatizer, Bag of Word, TF-IDF, SVM, Multinomial NB, Random Forest.

- **Spam email detection using MNB (Scratch):** Build multinomial Naïve Bayes model from scratch to detect whether an email is Spam or not.
  Tools: Pandas, SciPy, Multinomial NB (from Scratch).

- **TV Shows Recommendation System:** Web based recommendation system that recommends users TV shows according to their subscribed TV shows.
  Tools: HTML5, CSS, Bootstrap, JavaScript, PHP, MySQL, Collaborative Filtering method.

- **Corona Updates and Test Management System:** Web based online corona test management system from where users can view the visualized world and countries corona updates as well.
  Tools: HTML5, CSS, Bootstrap, JavaScript, Ajax, Chart js, Django and Sqlite3.

REFERENCES:

Available on request.