TANJILA KABIR

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EDUCATION

MANHATTAN COLLEGE – Bronx, NY   *May 2022*
Bachelor of Science, Computer Engineering; ***magna cum laude***
Dean's List, Epsilon Sigma Pi, Presidential Scholarship, Switzer Foundation Scholarship

RELEVANT PROJECTS

WATER QUALITY MONITORING SYSTEM
Fall 2021 – Spring 2022
- Collaborated with team members to meet deadlines consistently and work in a professional manner
- Implemented, designed, and debugged web application through Flutter using Dart and increased efficiency and speed of data transfer by 20%
- Generated back end of application through PHP and MySQL and dealt with large number of datasets of water quality information
- Applied machine learning to forecast predictions on data using Python and had a 98% accuracy
- Produced testing documents to improve execution and development of software

PROBABILITY/STATISTICS SURVEY
Spring 2021
- Collected data from a sample of 80 students based on surveys
- Conducted a Chi-Square test through SPSS to determine the relationship between caffeine and test grades
- Used R to perform descriptive data analysis and graph results
- Led a group of 4 in the development of the poster design presenting the research in the project

HEART RATE SENSOR
Fall 2020
- Tested a C code on a Cypress BLE to produce heart rate data
- Debugged and diagnosed errors found in PSoC Creator 4.4 and applied many solutions
- Learned about the basis of BLE communication through devices using UARTs and GATT Server and Client
- Connected the serial port of the BLE to a terminal application to observe the transferred data

PROFESSIONAL EXPERIENCE

MANHATTAN COLLEGE – Bronx, NY
Archives Student Assistant   *Sep 2018 – Dec 2021*
- Organized and archived materials into the official database 'ArchiveSpace' and increased number of uploaded files by 10%
- Stored at least 100 documents, reports, and photographs into containers to protect confidential files
- Strengthened oral communication skills through constant feedback to improve work ability

CERTIFICATIONS

NDG Linux Unhatched

SKILLS

Front-end Development, Problem-Solving, Troubleshooting, Software Development, Cloud Management, Machine Learning, Testing Documentation
Technical: SQL, PHP, JAVA, Python, C++, HTML/CSS, Flutter (Dart), Arduino IDE, Raspberry PI, Linux/UNIX
Languages: English, Korean, Japanese, Bengali