

CURRICULUM VITAE

Arif Hassan Zidan

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Education

Bangladesh University of Professionals, Dhaka, Bangladesh

January 2018 to February 2022

B.Sc. in Information and Communication Engineering

CGPA: 3.86/4.0; Advisor: Assistant Prof. Md. Maynul Islam

Dissertation: Case Fatality and Intubation Requirement Prediction of COVID- 19 Patients Affected with Various Severe Diseases Using Machine Learning Classification Algorithms

Notre Dame College, Dhaka, Bangladesh

2017

Higher Secondary School Certificate

GPA: 5.00/5.00

St. Gregory's High School and College, Dhaka, Bangladesh

2015

Secondary School Certificate

GPA: 5.00/5.00

Standardized Test

GRE

Quantitative Reasoning: 159, Verbal Reasoning: 150, Analytical Writing: 3.5

IELTS

Listening: 9.0, Reading: 8.0, Speaking: 6.5, Writing: 6.5

(Overall Band Score: 7.5)

Professional Experience

SCT Bangla Limited, Dhaka, Bangladesh

November 2022 – Present

Junior Software Developer

Currently working as a Junior Developer in SCT Bangla. It is a software-based company where I am currently working in the SAP Department. I have done projects in JavaScript and currently, I am developing web applications using SAPUI5 framework.

Bangladesh Telecommunications Company Limited, Dhaka, Bangladesh

February 2021 – March 2021

Overseas Telecommunications Region (OTR)

I have completed my Industrial attachment in Bangladesh Telecommunications Company Limited in the Overseas Telecommunication Region (OTR). I learned about their system architecture and various telecommunication components they use.

Research Experience

- **Case Fatality and Intubation Requirement Prediction of COVID-19 Patients Affected with Various Severe Diseases Using Machine Learning Classification Algorithms:** Showed the assessment of COVID-19 and five other diseases using several machine learning algorithms. Also, an intubation requirement prediction system is proposed that will predict which patients are more likely to require intubation if they are affected by COVID-19.

Journal Publications

- **Arif Hassan Zidan, Md. Maynul Islam, "Case Fatality and Intubation Prediction of COVID-19 Patients Affected with Severe Diseases using ML Classifiers", *BUP Journal*, under review.**

Honors and Awards

- **Dean's Appreciation Award**, Bangladesh University of Professionals (BUP), July-December 2019, Awarded for securing GPA 3.81/4.00.
- **BUP Merit Scholarship**, Bangladesh University of Professionals, January-June 2020, Awarded for obtaining a good GPA(GPA 3.99) and securing 3rd Position in that semester.

Class Projects

- **Fully Functional Online Book Store Website with Database, PHP, HTML**
Web Application to order books online and store the orders in a Database.
- **Library Management system with Database, PHP, HTML, CSS**
Web Application and database to manage library data. Title: *Library Management System*.
- **Android Map app, JAVA**
Mobile Application integrated with Google Map API.
- **Live Portfolio**
Personal portfolio website.

Technical Skills & Strengths

- **Programming Languages:** C, C++, Java, Python, SQL, JavaScript, SAP UI5, HTML and CSS.
- **Simulation Software:** MATLAB and Cisco Packet Tracer.
- **Others:** Adobe Premiere Pro, MS Word, MS Excel, PowerPoint.

Undergraduate Courses

Machine Learning, Artificial Intelligence, Data Warehousing and Data Mining, Cryptography, Web Technologies, Telecommunication Engineering, Software and Requirements Engineering, Operating System, Analysis and Design of Algorithm, Statistic and Probability, Data Structure, Digital Communication, Object Oriented design and Programming, Structured Programming, Discrete Mathematics, Data Communication and Computer Networks etc.

Major: Information Technology (IT)

Extracurricular Activities

- **IEEE BUP Student Branch**
Vice-Chairperson (Activity)
- **BUP InfoTech Club**
Joint Secretary (Logistics)
- **Global Youth Climate Summit 2022**
Participated as a delegate and was one of the 500 delegates competitively chosen from over 1200 applications from 70 countries across six continents.

References

Md. Maynul Islam
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