

# Curriculum Vitae

## Md Mehedi Hasan, BSc.

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Nationality: Bangladeshi

Residence Status: Student Visa (Austria)



## EDUCATION

Sep 2024 - Present

### Master Program in Computational Social Systems

Graz University of Technology (TU Graz)

[www.tugraz.at](http://www.tugraz.at)

*Focus: Data Science, Machine Learning, Computational Modeling  
, Spatio-Temporal Data Reconstruction using Spatial and Temporal Interpolation*

Aug 2015 - Aug 2020

### BSc Computer Science & Engineering

Daffodil International University, Dhaka

[daffodilvarsity.edu.bd](http://daffodilvarsity.edu.bd)

*Bachelor's Thesis: Finding New Product Value Quality Prediction in Market Using Data Mining*

*Focus: Data Mining, Machine Learning, Linear Regression*

## WORK EXPERIENCE

Mar 2022 - Dec 2022

### Data Engineer

FENDONUS LIMITED, Dhaka

- Analyzed application data logs to track system issues and identify recurring errors
- Built Python scripts using Pandas to organize, inspect, and debug datasets
- Supported QA testing by comparing expected vs. actual system outputs
- Explored user-activity and error patterns to support data-driven decision-making
- Documented fixes and recurring issues to accelerate team troubleshooting

*Keywords: Python, Pandas, Data Logs, Debugging, QA, Documentation*

Aug 2021 - Feb 2022

### Project Engineer

VAAANINFRA, Dhaka

- Supported technical projects through data collection, tracking, and documentation
- Maintained project data and progress reports for internal stakeholders
- Coordinated tasks and monitored progress across multiple project phases
- Worked with tool-based systems to improve operational efficiency

*Keywords: Project Tracking, Data Documentation, Coordination, Reporting*

Dec 2015 - Feb 2019

### Junior Technical Data Assistant

*Green Signal Technology, Dhaka*

- Handled data records, system logs, and technical operations support
- Organized and maintained structured technical datasets
- Performed troubleshooting using data insights and system outputs
- Documented system configurations, updates, and change logs

*Keywords: Data Handling, System Logs, Troubleshooting, Documentation*

## PUBLICATIONS

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May 2021

### A Smart Polluted Water Overload Drainage Detection and Alert System

*IEEE International Conference, Cairo, Egypt*

Developed an IoT-based system for real-time monitoring of drainage conditions and automated alerting.

[ieeexplore.ieee.org/document/9447664](https://ieeexplore.ieee.org/document/9447664)

Aug 2021

### A Computer Vision System for the Categorization of Citrus Fruits Using Convolutional Neural Network

*IEEE International Conference, Bandung, Indonesia*

Built a CNN-based computer vision system for efficient automated fruit classification and categorization.

[ieeexplore.ieee.org/document/9501790](https://ieeexplore.ieee.org/document/9501790)

## ADDITIONAL QUALIFICATIONS

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### Languages

Bengali - Native  
English - Fluent  
Hindi - Proficient  
German - Basic (A1)

### IT Knowledge

Programming - Python, SQL, C, Java  
Data/ML - Pandas, NumPy, Scikit-learn, PyTorch, Matplotlib  
Tools - Jupyter, Git/GitHub, VS Code  
MS Office - Word, Excel, PowerPoint, Outlook

### Online Portfolio

[mehedihasanmilon.com](https://mehedihasanmilon.com) - personal website with full project portfolio  
[GitHub](#) - source code and project documentation  
[LinkedIn](#) - professional profile

## PERSONAL INTERESTS

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### Technology

Following developments in AI, machine learning, and open-source tools  
Experimenting with small data-science and automation side projects

### Sport

Football and cricket (casual, recreational level)  
Hiking and exploring landscapes around Styria and Austria

### Reading

Non-fiction on science, technology, and society

### Travel

Exploring European cities and cultures since relocating to Austria