

# MAHADI HASAN NAYEEM

Kuril, Dhaka, Bangladesh.

mhnayem01@gmail.com

Phone: +88016380-01725



## CAREER OBJECTIVES

"As a Computer Science and Engineering student specializing in Information Systems, I am passionate about leveraging data analysis, machine learning, and BI Development to drive innovation. My goal is to contribute to cutting-edge research and industry solutions while continuously enhancing my technical and analytical expertise."

## ACADEMIC QUALIFICATIONS

- Bachelor of Science in Computer Science and Engineering  
American International University-Bangladesh  
Expected Graduation: [October 2025] | CGPA: 3.78
- Higher Secondary Certificate (HSC)  
M E H Arif College, Gazipur  
2018-2020 | GPA: 5.00
- Secondary School Certificate (SSC)  
Dhaka Engineering University School  
2017-2018 | GPA: 5.00

## WORK EXPERIENCE

### **Managing Director | AIO I.T LTD. (2020 – 2023)**

- Led business operations and managed client relations.
- Oversaw software development projects.

### **Junior Financial Analyst | Remote | A.A. Engineering & Consultancy Firm (2024 – 2025)**

- Analyzed project expenditures using **Power BI** and **Excel** for financial planning. (Basic)

### **Course Advisor | AIO I.T LTD. (2021 – 2023)**

- Provided guidance on technical courses.

## Technical Skills

- Data Analysis & Visualization: Excel, Power BI
- Programming: Python, R
- Machine Learning & Deep Learning: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, Open CV
- Databases: SQL, MySQL
- Web Development: HTML, PHP, CSS, JavaScript, AJAX

## Projects and Research

- **Human Computer Interaction: “Wi-Steer: Wireless ESP32-Based Steering Wheel Controller for PC Racing Games” (2025)**  [Click to visit](#)
  - ✓ designed and built a wireless steering wheel controller using ESP32 and sensors to enable intuitive gameplay for PC racing games.
- **Web Technology: Elderly Care and Monitoring System by using HTML, JS, PHP, CSS, AJAX (2025)**  [Click to visit](#)
  - ✓ Built a responsive web application for elderly care using HTML, CSS, JavaScript, PHP, and AJAX, integrating real-time reporting, health tracking, and caregiver communication features.
- **Data Science: “Stroke Prediction & Correlation Analysis Using R” (2024)**  [Click to visit](#)
  - ✓ Conducted stroke risk prediction using statistical analysis and correlation modeling in R, with data visualization through ggplot2, ggcrrplot, and various statistical testing methods.
- **Computer Vision and Pattern Recognition: Automatic Attendance system using CNN (2025)**  [Click to visit](#)
  - ✓ Built a facial recognition-based attendance system using CNN, leveraging Python, OpenCV, and TensorFlow for real-time detection and automated attendance logging.

### **Bengali License Plate Recognition: Unveiling Clarity with MobileNet and Real-ESRGAN (2025)**

- ✓ Developed a Bengali license plate recognition system using MobileNet for detection and Real-ESRGAN for image enhancement, applying deep learning and image processing techniques to improve accuracy on low-quality images.

- **Power BI:**

### **Hotel Customer Data Analysis and Performance Reporting (2025)**

 [Click to visit](#)

- ✓ Designed interactive Power BI dashboards to visualize hotel customer behavior and KPIs, using Power Query and DAX for data transformation and generating actionable business insights."

### **Analyzing Economic and Demographic Trends Across US States Using Power BI(2025) [Click to visit](#)**

- ✓ Conducted multi-dimensional analysis of US census and economic data, creating comparative Power BI reports on state-wise GDP, population, and education indicators.

### **Global Development Indicators Analysis Using World Bank Data in Power BI (2025) [Click to visit](#)**

- ✓ Analyzed World Bank development indicators such as GDP, Population, Income and developed global trend dashboards in Power BI to support evidence-based policy and research.

- **Journal:**

### **Streamlining Dhaka's Daily Journey: The E-Ticketing Revolution (2024)**

- ✓ Authored a journal on the implementation and benefits of digital ticketing systems in Dhaka's transport sector, providing analysis of commuter behavior, system efficiency, and policy recommendations based on survey data.

## Additional Skills

- Leadership, critical thinking, and problem-solving abilities.
- Mathematical, statistical, and market analysis with business strategy expertise.
- Research methodology and data-driven decision-making.

## Honors and awards

- Achieved Dean's List Honor Award || 2023,24
- Earned GYA -Youth Leadership Award || 2020.
- Ranked 5<sup>th</sup> place in National Science Award || 2018.

<b>For additional information:</b>
LinkedIn: <a href="https://www.linkedin.com/in/mahadihasannayeem/">https://www.linkedin.com/in/mahadihasannayeem/</a>
GitHub: <a href="https://github.com/mhnayeem">github.com/mhnayeem</a>
Portfolio: <a href="http://Nayeem.com">Nayeem.com</a>