



Majharul Islam

Aspiring Transportation & Mobility Researcher

📍 Mirpur,Dhaka-1216, Bangladesh

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Professional Summary

I am currently pursuing a B.Sc. in Civil Engineering with a focus on Transportation Engineering. I am proficient in using VISSIM, Python, and AutoCAD Civil 3D for traffic flow simulation, pollution modeling, and smart mobility analysis. I am developing expertise in noise pollution assessment and urban traffic micro-simulation, with strong analytical and research skills. My academic and research interests center on advancing sustainable transportation through data-driven methods and intelligent urban mobility systems.

Education

Bachelor of Science (B.Sc.), Civil Engineering

Bangladesh University of Business and Technology (BUBT)

Expected Graduation: 2026 | Current CGPA: 3.20 / 4.00

Core Focus: Transportation Engineering.

Higher Secondary Certificate (HSC) in Science

Kapasia Central School & College, Dhaka Board

Year: 2021 | GPA: 4.50 / 5.00

Experience

Volunteer at

- Mirpur Traffic Assistance Group
- BUBT Civil Club
- BUBT Sports Club

Technical Skills

- AutoCAD (2D&3D), VISSIM, Python, SketchUp, Copert 5.5
- ArcGIS (Basic), MS Excel, Word, PowerPoint

Certifications & Training

Leadership & Field Resilience Training, Bangladesh Scouts (2015)
IELTS Academic (Planned) — British Council

Soft Skills

Critical Thinking, Research Design, Analytical Writing, Time Management, Team Collaboration, Honesty, Gardening

Research Interests

Sustainable Transportation, Traffic Simulation, Emission Modeling, Urban Data Analytics, Intelligent Transport Systems.

Research & Projects

- **Urban Traffic Simulation in Mirpur, Dhaka:** Developed a micro-simulation model using PTV VISSIM for mixed-traffic conditions
- **Noise Pollution Assessment:** Collected survey data via Google Forms to analyze transport-related noise in industrial, commercial, and residential zones.
- **3D Transport Visualization:** Modeled roadway systems in Blender and Lumion to visualize geometric design and traffic flow distribution.

References

Prof. Dr. Ali Ahmmed

Head, Department of Civil Engineering

Bangladesh University of Business and Technology (BUBT)

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Majharul Islam

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