

Towfiqur Rashid

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Education

Rajshahi University of Engineering & Technology , Urban & Regional Planning <ul style="list-style-type: none">Description 1.Description 2.	Rajshahi, Bangladesh 2022 – present
Notre Dame College , Science	Dhaka, Bangladesh 2018 – 2021
KAFCO School & College , Science	Chattogram, Bangladesh 2016 – 2018

Experience

International Climate Camp 2025 , International Delegate Engaged in fieldwork, trekking, hands-on sustainability training, cross-cultural engagement, expert sessions, workshops, policy dialogues, and community-based actions focused on climate change and sustainable solutions <ul style="list-style-type: none">Environment AwarenessCommunity Engagement.	Tribhuvan University and Kathmandu University, Nepal July 2025 – July 2025 1 month
Directorate of Research & Extension, Rajshahi University of Engineering & Technology , Research Assistant <ul style="list-style-type: none">Name of the research project A Comprehensive Analysis of Integrated Approaches to Groundwater Management A Case Study of the Northern Region in Bangladesh.Conducted extensive literature review, multi-source data collection (surveys, FGDs, KIIs, PRA), field observations, stakeholder consultations, and hydro-socioeconomic analysis to develop integrated groundwater management strategies for northern Bangladesh.	Rajshahi, Bangladesh 2024 – 2025 1 year

Volunteer

RUET GIS Club , Vice President <ul style="list-style-type: none">Awarded ‘Climate Hero’ award by Greenpeace for my efforts organizing the march.Men of the year 2014 by Time magazine	Rajshahi, Bangladesh July 2025 – present
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Awards

2nd prize winner at Youth’s Idea at Sustainable Urban Planning 2025 We have pitched our idea on ‘The Economic Utilization of the Karnaphuli Tunnel with a Balanced Approach to Economic Growth and Ecological Preservation’. Our team has secured 2nd position among 60 teams. Urban Development Directorate, Ministry of Housing and Public Works, Government of People’s Republic of Bangladesh www.facebook.com/share/p/1DjMCUtpja	May 2025
2nd Runner-up at 3rd National Research Project Contest 2024 Our team secured 2nd Runner-up position amidst 88 competitors hailing from 31 universities throughout Bangladesh. The research paper was on ‘Social and Environmental Impact Assessment of Urban Sprawl in Katakhal Municipality of Rajshahi, Bangladesh’. Bangladesh University of Professionals (BUP) Research Society	May 2024

Publications

ASSESSMENT OF INTERSECTION PERFORMANCE USING TRAFFIC VOLUME AND LAND USE-TRANSPORTATION RELATIONSHIP EVIDENCE FROM RAJSHAHI, BANGLADESH

This paper discusses about intersection performance of Dhaka-Rajshahi Highway, an important highway of Bangladesh. This study also correlates land use and transportation by assessing socio-economic factor (Kij) of Gravity Model deriving from O-D Matrix. Priyam Riddha Biswas, Jannat Jahrah, Jakia Ahmed, Muhammad Waresul Hassan Nipun, Jahid Hasan

www.researchgate.net/publication/400576865_ASSESSMENT_OF_INTERSECTION_PERFORMANCE_USING_TRAFFIC_VOLUME_AND_LAND_USE-TRANSPORTATION_RELATIONSHIP_EVIDENCE_FROM_RAJSHAHI_BANGLADESH

Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt

In the second paper, he applied the quantum theory to light to explain the photoelectric effect. In particular, he used the idea of light quanta (photons) to explain experimental results, but stressed the importance of the experimental results. The importance of his work on the photoelectric effect earned him the Nobel Prize in Physics in 1921.

Albert Einstein

de.wikisource.org/wiki/%C3%9Cber_einen_die_Erzeugung_und_Verwandlung_des_Lichtes_betreffenden_heuristischen_Gesichtspunkt

Die Grundlage der allgemeinen Relativitätstheorie

The publication of the theory of general relativity made him internationally famous. He was professor of physics at the universities of Zurich (1909–1911) and Prague (1911–1912), before he returned to ETH Zurich (1912–1914).

Albert Einstein

de.wikisource.org/wiki/Die_Grundlage_der_allgemeinen_Relativit%C3%A4tstheorie

Skills

Physics

Languages

German

Native speaker

English

Fluent

Interests

Physics

Certificates

Machine Learning	Jan 2018
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Quantum Computing	Jan 2018
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Quantum Information	Jan 2018
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Projects

Quantum Computing	Jan 2018 – Jan 2018
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Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers.

- Quantum Teleportation
- Quantum Cryptography

References

Professor John Doe

Professor Jane Smith