Tarunnyamoye Kundu

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Career Summery

As a passionate Computer Science engineer, I aim to grow as an educator, researcher, and innovator. I aim to create an engaging learning environment supporting future tech professionals. I also seek to leverage my public speaking skills to communicate complex ideas effectively and inspire others. By combining my love for Teaching with a drive to stay updated on the latest advancements, I hope to empower the next generation while contributing to the ever-evolving field of computer science.

Experience

Lecturer   *Dhaka*
Sonargaon University   *May 2025 - Present*

Delivering lectures, guiding students in programming, algorithms, and computer systems, and assessing their academic performance. Engaged in research and contribute to curriculum development.

Creative Executive   *Remote*
Reflective Teens - RT ↗   *Jul 2022 - Feb 2025*

Creative ideation, graphic content designing, and promoting impactful social duties.

Intern   *Khulna, BD*
Amreen Info Tech Ltd. ↗   *Dec 2023 - Jan 2024*

At AITL for 3 weeks, developing a taxation website for Khulna City Corporation.

Education

Khulna University *BSc in Computer Science & Engineering*   *2019 – 2025*
- CGPA: **3.91 out of 4.00 (4.00 in Last 3 Terms)** ↗

Bheramara College, Bheramara, Kushtia   *2016 – 2018*
Higher Secondary Certificate
- GPA:**5.00/5.00** ↗

Bheramara Secondary Girls School, Bheramara, Kushtia   *2011 – 2016*
Secondary School Certificate - 2016
- GPA: **5.00/5.00** ↗

Thesis & Publications

Optimizing Smart City Functions through Federated Learning: Implementation and Framework Development (*Thesis Submitted*)   Jan 2025
Tarunnyamoye Kundu, Rahat Morshed Nabil, Dr. SK Alamgir Hossain

Enhanced YOLOv9-Based Endangered Tiger Detection Framework for Wildlife Surveillance ↗   Nov 2024
International Conference on Signal Processing, Information, Communication and Systems 2024
Rahat Morshed Nabil & *Tarunnyamoye Kundu*

Enhancing Healthcare with Desktop Companion Bot: A Novel Computer Vision Approach ↗   March 2024
International Conference on Advances in Computing, Communication, Electrical, and Smart Systems
Tarunnyamoye Kundu & Rahat Morshed Nabil

Real-Time Three-Wheeler Traffic Detection on Expressways Using Yolo Model ↗   Feb 2024
7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024)
Rahat Morshed Nabil, Uday Karmoker & *Tarunnyamoye Kundu*,

Advancing Sustainability: Introducing Reverse Vending Machines To University Campuses ↗   Feb 2024
7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024)
Uday Karmoker, *Tarunnyamoye Kundu*

Clubs & Event Experience

Speaker *TEDx Khulna University*   *Nov 2024*

Delivered a speech advocating for women in STEM at TEDx Khulna University 2024

Graduate *Shoktikonna Leadership Cohort 2023*   *Nov 2023 - Mar 2024*

Engaged participant in the Shoktikonna Leadership Cohort 2023, contributing to collaborative problem-solving and honing leadership skills focusing on women participation in Green Transition

General Member *Rotaract Club of Khulna University*   *Apr 2021 - Sept 2022*

Actively contributed to community service and leadership development as a dedicated general member of the Rotaract Club. Demonstrated commitment to social responsibility and collaborative initiatives.

Cultural Secretary *CLUSTER*   *Apr 2021 - Sept 2022*

As Cultural Secretary for the CLUSTER, I spearheaded inclusive initiatives fostering cultural diversity and collaboration, contributing to the vibrant and harmonious functioning of the organization.

Achievement & Participation

HULT Prize at Khulna University ↗   2024
Finalist

Shoktikonna Leadership Cohort 2023 ↗   2024
Top Performer

Smart Rajshahi Innovation Challenge 2023 ↗   2023
Champion

6th National Girls Programming Contest 2023 [↗]   2023

Placed 57th

Skills

Interpersonal Skill : Public Speaking, Problem Solving, Team Work, Leadership, Time Management, Independent Research, Polyglot

Languages & Framework: C, C++, HTML, CSS, Python, Java, JavaScript, React, TailwindCSS

Software: VS Code, PyCharm, Git, Android Studio, Jupyter Notebook

Visualization: Adobe Photoshop, Adobe Illustrator, Lucidchart

Language

- English
- Bengali
- Spanish
- Hindi

Reference

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