

# Md Hamidur Rahman Khan

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## Education

Lappeenranta, Finland

LUT University

Sept 2024 - May 2027

- **Major:** Computational Engineering, B.Sc.
- **Certificate (Minor):** Software Engineering
- **Programming Coursework:** Algorithms & Data Structures, Networks, Web Development, Artificial Intelligence, Machine Learning
- **Computational Coursework:** Linear Algebra, Matrix Decomposition, Multivariate Calculus, Probabilities & Statistics

## Work Experience

Web Developer

Give Bangladesh Foundation

Sept 2023 - Present

- Collaborated internationally with Awake Youth Initiative to develop a fundraising website that supports the African underserved slum communities in Nairobi, Kenya. Website link: <https://awakeyi.org/>

Coder and Trainer

Tesla Lab

Sept 2021 - Aug 2023

- Took workshops to train **400+** individuals about **integrated circuits, embedded systems, internet of things, and drones**.
- Built educational **Java** and **Python** games/projects like **spell checkers** and **pong games** to reinforce the interactive programming knowledge of the students.

## Personal Projects

Block Meter

Python, C++, Solidity

**BLOCKCHAIN-BASED** ELECTRICITY BILLING SYSTEM

2022

- **Invented** an electricity billing system that eliminated non-technical losses by **100%** and ensures transparency and immutability.
- Won a **Silver Medal** in SDG 12 national teams from 44 countries at the **International Blockchain Olympiad 2022 (Hong Kong)**.
- Secured **Bronze Medal** as the youngest developer to secure top national position in the **Bangladesh Blockchain Olympiad 2022**.

Project Title

Programming Language

**IOS** CHAT APPLICATION | INDEPENDENT PROJECT

2018

- Lorem ipsum **dolor** sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud **exercitation**. Lorem ipsum dolor sit amet, consectetur adipiscing elit, **sed** do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation
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Project Title

Programming Language

**IOS** PHOTO APPLICATION | INDEPENDENT PROJECT

2018

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## Activities

National Coach

World Robot Olympiad (WRO)

Jan 2023 - Dec 2023

- Successfully led a **team of 3** in the **Future Innovator** segment through the national round, mainly focused on the **robotic system, software design, hardware construction, business analysis, and technical presentation**.
- Guided two national teams' participation in international competition rounds, one team achieved an impressive, first time in the history of Bangladeshi participants, **5th place out of 451 global teams** at WRO '23 Panama.

President, Robotics

Notre Dame Information Technology Club

Aug 2019 - June 2021

- Mentored **45+ national robotics/project teams**, and took **14 workshops** along with **40+ robotics-oriented classes** to train more than **150+ students** in high school
- Designed a teaching module for the ICT department of my school to improve the understanding of electronics among Notre Dame College students: a combined demonstration of **clock pulse generators, flip flops, registers, binary counters**, and a **7-segment display** on a breadboard.

## Skills

Programming

Proficient: Java • Objective-C   Familiar: C • C++ • Python • SQL • Swift

Technologies

Git • XCode • Etc • Etc • Etc • Etc