Md Hamidur Rahman Khan

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Portfolio | github.com/hamidurrk

EDUCATION

University of Dhaka | CGPA: 3.50/4.00 — **Dhaka, Bangladesh**
Department of Statistics — *2024*
Notre Dame College | GPA: 5.00/5.00 — **Dhaka, Bangladesh**
Science Group — *2020*

PROJECTS

- Open Source Projects with Source Codes: github.com/hamidurrk
- Digital Portfolio (Projects): https://portfolio-hamidur.vercel.app/

EXPERIENCES

World Robot Olympiad (WRO) — **20 hr/wk, 28 wk/yr**
National Coach — *2023 JAN- Present*

- Successfully led **20+ teams** 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

Give Bangladesh Foundation — **3 hr/wk, 38 wk/yr**
Web Developer — *2023 SEPT - 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/
- Worked in the **Project Kombol Winter Drive 23-24** that reached **38,385 beneficiaries** in the cold winters across **64 districts** by partnering with **40 organizations**.
- Fundraised in Dhaka to help 500+ homeless people with warm clothes, meals, and blankets.

Tesla Lab — **10 hr/wk, 24 wk/yr**
Coder & Trainer — *2021 SEP - Present*

- Took workshops during the COVID-19 pandemic to train **400+** individuals about **integrated circuits**, **embedded systems**, **internet of things**, **automation programming,** and **drones**.

Leadership and Community Involvement

Notre Dame Information Technology Club — **6 hr/wk, 40 wk/yr**
President and Advisor — *2018 AUG - Present*

- Strategized and provided consultations as the **Advisor** about running national festivals, workshop administration, virtual programming sessions, online competitions, robotics event planning, and resource management to a **team of 70+** coordinators and panel members.
- Evaluated **1100+** national-level contestants that participated in **Soccer Bot**, **Line Follower Robot**, **Robo Race**, and **Robo War** segments at the national **NDITC_init 3.0** as the **Judge of Robotics**.
- Acted as **President** until 2020, mentored **45+ national robotics/project teams**, and took **14 workshops** along with **100+ 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.

Awards and Achievements

- **Silver Medal, International Blockchain Olympiad - 2022** ***International***
  invented Block Meter: a blockchain-based electricity billing system

- **Silver Honor, World Robot Olympiad - 2023** ***International***
  first time as a Bangladeshi team to place 5th in the world among 451 teams from 77 Countries

- **Silver Honor, Bangladesh Robot Olympiad - 2019** ***National***
  scored 2nd in the Robotics Quiz for Challenge Group among 20,000+ participants

- **Bronze Award, Blockchain Olympiad Bangladesh - 2022** ***National***
  youngest developer to secure an overall top national position

- **Champion (Line Following Robot), International Tech Carnival, DRMC - 2020** ***International***
  fastest line follower to avoid obstacles and finish tracks with zero restarts

- **Champion (IT Project Display), Science & Technology Fiesta, MGBS - 2017** ***National***
  best home security solution using a robot in the Senior Category

SKILLS

- React, Next.js, GSAP, Python, C, C++, HTML, CSS, JavaScript, PHP, R, Solidity, Flask, Pytorch, MongoDB, Firebase, MySQL, Pandas, Selenium
- Fluent in Bengali (native) and English (IELTS 7.5), can speak in Hindi and Urdu
- Experienced with AutoCAD Fusion360, Adobe Premiere Pro, Adobe Photoshop, and Figma
- Proficient with AVR and ARM microcontroller-based systems, including Arduino, Raspberry Pi, and Teensy