

Labib Muzahid

+650-699-2017 | labibibnmuzahid@gmail.com | labibibnmuzahid.me

Relevant links: [LinkedIn](#) | [GitHub](#) | [HashNode](#)

Programming Languages: Python, C, C++, Java, JavaScript, TypeScript, Kotlin, VB.net, Ruby, Rust, Go/Golang, Solidity, HTML, CSS, SQL

Frameworks: PyTorch, NumPy, pandas, Django, React, Node.js, jQuery, Three.js, OOP, TensorFlow

Technologies: AI, Machine Learning, Blockchain, GitLab, AWS, Geant4, FLUKA, Alice

EDUCATION

Rhodes College

Expected May 2028

- BS Computer Science & Economics, minor in Mathematics

GOVT. M. M. City College, Khulna, Bangladesh

- Higher Secondary Certificate (HSC), Science

GPA: 5.00/5.00, Rank: 1/1060

WORK EXPERIENCE

Carnegie Mellon University

April 2021 - July 2022

Technology Intern for Code in Alice Pre-college Program

Remote

- Contributed to the development of interactive games and stories using Alice, integrating large language models (LLMs) for enhanced functionality
- Led the creation of a 3D programming module to support visual learning, improving user engagement and educational outcomes
- Added optimization techniques to reduce rendering times, identified performance bottlenecks, and refactored code to enhance efficiency

Sysonex Inc.

September 2022 - March 2023

SDE Intern for full web-application and cloud interface

Remote

- Built front and backend with Next.js, developing 25+ websites/apps
- Spent 1,600+ hours on GitLab, integrating teams and optimizing software workflows
- Managed backend servers and integrated AI into cloud infrastructures at Sysonex

Ihsaan Foundation

June 2020 - Present

Founder & Chairman - Focusing on volunteering

Bangladesh

- Led 100+ volunteers, aiding 500+ low-income families with STEM sessions
- Organized environmental campaigns, planting 25k+ trees
- Partnered with local schools and organizations to expand equitable access to STEM education, reaching 500+ low-income families

CERN (European Organization for Nuclear Research)

May 2024 - November 2024

Research Intern - CERN outreach programme

Virtual

- Explored antimatter through 20+ particle-antiparticle interactions, analyzing data with Geant4 and FLUKA simulation tools
- Calculated annihilation energy release for 10+ events, contributing to deeper insights into physics
- Collaborated with 10+ international teams to prepare a competitive proposal deck for high school research

OUTSHINE

May 2021 - August 2023

Founder - A blockchain based Anti-Theft Solution

Khulna, Bangladesh

- Designed AI-integrated ERC-721 NFTs and refined 10+ smart contracts to combat forgery and theft in businesses
- Launched OUTSHINE, a startup facilitating 1,000+ clients with secure, transparent authentication solutions
- Analyzed 10+ NFT solutions, spending 170+ hours systematizing blockchain technologies and token IDs
- Recognized for innovative contributions at the Internatioal Blockchain Olympiad

CodeAlpha

August 2020 - December 2022

AI Intern - Predictive Modelling and Neural Networks

Remote

- Developed AI-powered predictive models using TensorFlow and PyTorch, focusing on machine learning and NLP techniques
- Optimized data-driven decision-making processes, enabling real-time analytics for 10+ project applications
- Collaborated on AI solutions for predictive modeling, improving accuracy by 20% through iterative testing and refinement
- Contributed to neural network development, enhanced performance for real-world applications

Achievements

- | | |
|--|------|
| • Silver Medalist, International Computing Olympiad | 2021 |
| • Silver Medalist, Hong Kong International Computing Olympiad | 2023 |
| • Gold Medalist, International Cyber Olympiad (Top 0.01% of 12M+) | 2022 |
| • Shortlisted, Microsoft Imagine Cup (Top 1% of 2M+) | 2023 |
| • Gold Medalist, International Youth Math Challenge (Top 1% of 36k+) | 2024 |
| • Champion, National Science Olympiad (1st of 30k+) | 2022 |

N.B. All the projects are on my website above