

Tasin Ishmam

SOFTWARE ENGINEER · UNDERGRADUATE RESEARCHER

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Education

Bangladesh University of Engineering and Technology

Dhaka, Bangladesh

B.SC. IN COMPUTER SCIENCE AND ENGINEERING

Apr. 2017 - Present

- **CGPA: 3.89** (Calculated based on 5 completed semesters).
- Ranked 5th in Department.
- Received 8 Scholarships of Merit from University & Dean's list award recipient for all completed semesters.
- Executive committee member of IEEE Computer Society's University student chapter.

Skills

Programming Languages	Python, Javascript, Typescript, Java, C++, LaTeX
Frameworks	Pytorch, Express (NodeJS), React, Hyperledger Fabric
Database	MongoDB, PostgreSQL, Redis
Tools	Git, Docker, Bash, Unit Testing (Mocha, Pytest)
Platforms	Azure, Facebook Developer Platform, Heroku, Google Cloud Platform, Firebase

Work Experience

Technohaven Company Ltd

Dhaka, Bangladesh

BLOCKCHAIN ENGINEER (PART TIME)

Nov. 2020 - Present

- Working on API design and Backend architecture of an educational certificate verification platform using Distributed Ledger Technology.
- Serving as the engineering team liaison and acting as the main contact person for the offsite management team.

Technohaven Company Ltd

Dhaka, Bangladesh

BLOCKCHAIN ENGINEER (INTERNSHIP)

Jun. 2020 - Aug. 2020

- Received hands-on training from Hong Kong Blockchain Society with distributed ledger technologies like Hyperledger Fabric and R3 Corda.
- Developed an academic certificate verification platform using Hyperledger Fabric and Nodejs. [\[Link\]](#).

Symbi

Dhaka, Bangladesh

SOFTWARE DEVELOPER (FREELANCE)

Nov. 2018 - Jan. 2020

- Developed back-end applications for Business Pages on Facebook. Services include - Customizable Chatbots, Subscription News Service, Analytics and Page Management tools. Helped improve the client's social media presence and automate user engagement.
- Developed and launched an Android application. Simple application with interactive text based content and company information.

Research & Projects

Assistive Technology for online special needs education in developing countries

HUMAN COMPUTER INTERACTION, DESIGN RESEARCH, ACCESSIBILITY, EDUCATION

Nov. 2020 - Present

- Research project to identify problems faced by special needs children, their teachers and parents in online education.
- Did qualitative research including conducting interviews & survey design as well as UX design and prototyping.

Improving 3D object detection in autonomous vehicles using Sensor Fusion

DEEP LEARNING, COMPUTER VISION, PYTORCH

Feb. 2020 - Present

- Research project exploring sensor fusion to combine 2D image inference alongside 3D LIDAR data for object detection and localization.
- Developed novel methodologies for improving runtime and reduce search space of 3D model using intrinsic properties of 3D data

Covid-19 Awareness Project - CoronainBangladesh.com

NODEJS, EXPRESS, MONGODB, GOOGLE CLOUD PLATFORM

Mar. 2020 - Jun. 2020

- A Web platform created to serve as an information hub about the COVID-19 pandemic in Bangladesh. [\[Link\]](#)
- Received over 50,000 unique visitors, 25,000 social media shares, national press coverage and recognition from Bangladesh Government.

Online Legal Services (Wills & LPA) - Neolexical.com

NODEJS, FIREBASE, SERVERLESS/CLOUD FUNCTIONS, REACT, STRIPE

August. 2020 - Present

- Website with integrated online Will & LPA making platform developed for UK based law firm Neolexical Ltd. [\[Link\]](#)
- Responsible for project management, product design, deployment, operations and integrations (payment, emails etc).

Honors & Awards

2020	Award Of Merit , International Blockchain Olympiad	Hong Kong
2020	Winner , National Hackathon On Frontier Technologies	Dhaka, Bangladesh
2019	Winner , Idea Competition	BUET CSE Festival
2019	Second Runners Up , Hackathon on Cloud Computing	BUET CSE Festival
2018	Runners Up , Artificial Intelligence Competition	BUET CSE Festival