

# Tasin Ishmam

SOFTWARE ENGINEER · UNDERGRADUATE RESEARCHER

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## Education

### Bangladesh University of Engineering and Technology (BUET)

Dhaka, Bangladesh

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Apr. 2017 – Present

- **CGPA: 3.89** (Calculated based on 6 completed semesters).
- Ranked 9th in department.
- Received 8 Scholarships of Merit from University & Dean's list award recipient for all completed semesters.
- Media committee chair of IEEE Computer Society's University student chapter.

## Skills

<b>Programming Languages</b>	Python, Javascript, Typescript, Java, C++
<b>Frameworks</b>	Pytorch, Express (NodeJS), React, Hyperledger Fabric
<b>Database</b>	MongoDB, PostgreSQL, Redis, NodeJS ORMs (Prisma, Sequelize and Mongoose)
<b>Technologies</b>	Git, Docker, Bash, Unit Testing (Mocha, Pytest), GraphQL
<b>Platforms</b>	Azure, Facebook Developer Platform, Heroku, Firebase

## Work Experience

### Technohaven Company Ltd

Dhaka, Bangladesh

SOFTWARE ENGINEER

Nov. 2020 – March. 2021

- Acted as lead backend engineer (team of four), where I was responsible for designing backend architecture and overseeing development.
- Worked on developing a REST API, using NodeJS and MySQL, for a vaccine passport platform and deploying on Azure.

### Technohaven Company Ltd

Dhaka, Bangladesh

BLOCKCHAIN ENGINEER (INTERNSHIP)

Jun. 2020 - Aug. 2020

- Received hands-on training from Hong Kong Blockchain Society on cryptography and distributed ledger technologies.
- 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 automate customer support and provide user engagement metrics for social media.
- Developed and launched an Android application with interactive text based content and company information.

## Projects

### 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).

### 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.

## Research

### Faster 3D object detection with Focused Frustum Search in sensor fusion based networks

DEEP LEARNING, COMPUTER VISION, 3D OBJECT DETECTION, PYTORCH

Feb. 2020 – Feb. 2021

- First Co-Author. Manuscript submitted to IROS 2021, pending peer review. [\[Preprint\]](#)
- Developed novel methodologies for improving runtime and performance for a class of 3D object detection networks.

## Honors & Awards

2021	<b>Upsilon Pi Epsilon Honor Society Award</b> , IEEE Computer Society	Washington, USA
2021	<b>Winner (Category - Fintech)</b> , Bangladesh Blockchain Olympiad	Dhaka, Bangladesh
2020	<b>Runners Up (Category - Backend Development)</b> , Grameenphone Digital Ninja Hackathon	Dhaka, Bangladesh
2020	<b>Award Of Merit</b> , International Blockchain Olympiad	Hong Kong SAR
2020	<b>Winner (Theme - Combating Online Fake News)</b> , National Hackathon On Frontier Technologies	Dhaka, Bangladesh
2019	<b>Winner (Idea Competition) &amp; Second Runners Up (Hackathon on Cloud Computing)</b> , BUET CSE Festival	Dhaka, Bangladesh
2018	<b>Runners Up - Artificial Intelligence Competition</b> , BUET CSE Festival	Dhaka, Bangladesh