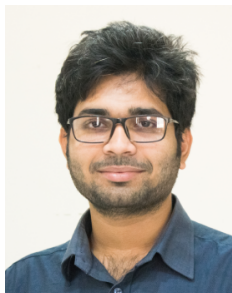


## PERSONAL INFORMATION

### Shuhan Mirza



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📞 +880 16 21416121

✉ [shuhan.mirza@gmail.com](mailto:shuhan.mirza@gmail.com)

🌐 [www.shuhanmirza.com](http://www.shuhanmirza.com)

🐙 [www.github.com/shuhanmirza](https://www.github.com/shuhanmirza)

🌐 [www.linkedin.com/in/shuhan-mirza](https://www.linkedin.com/in/shuhan-mirza)

## PROFESSIONAL EXPERIENCE

### Apr 2021 – Present Senior Engineer

bKash Limited

Shadhinata Tower, 1, Bir Sreshtha Shaheed Jahangir Gate Dhaka Cantonment, Dhaka 1206, Bangladesh

Projects – *bKash*, The Largest Mobile Financial Service in Bangladesh

Responsibilities – Research & Development on Blockchain Systems  
– Development & Integration of Payment Gateway of bKash

Sector [FinTech and Blockchain](#)

### Sep 2019 – Present Software Engineer

Progoti Systems Limited

51/B, Borak Mehnur, Kemal Ataturk Ave, Dhaka 1213, Bangladesh

Projects – *TallyKhata*, Accounting and Digital Credit Platform for MSME  
Number of Users: 2 million+

Responsibilities – Full Stack Development of [FinTech Applications](#) (Mobile Application and Backend Service)  
– Developing Proof of Concepts

Sector [FinTech](#)

## RESEARCH EXPERIENCE

### Mar 2020 – Present Research Engineer

Cryptic Consultancy Limited

49 Mayplace Avenue, Crayford, Dartford, Kent DA1 4PQ, United Kingdom

– R&D for tackling problems in the global industrial landscape for the financial institutions  
– Design, development, testing, and documentation functionalities to system integration and development of [enterprise blockchain solutions](#)  
– Blockchain Framework: Hyperledger Fabric

Sector [Cloud, Security, and Blockchain](#)

### Mar 2019 – Feb 2020 Research Assistant

Shahjalal University Blockchain and Security Lab

IICT, Shahjalal University of Science and Technology, Kumargaon, Sylhet-3114, Bangladesh

Projects – Securing Digital Services of SUST  
*Supervisor:* Dr. Md. Sadek Ferdous

Responsibilities – Collaboration with the engineering team of the university  
– Design, Development, and Implementation of the Identity Federation  
– R&D on securing Identity Federation using Blockchain

Sector [Security and Blockchain](#)

## EDUCATION AND TRAINING

29 Mar 2015–28 Mar 2019

**Bachelor of Science (Engineering) in Computer Science & Engineering**

Shahjalal University of Science and Technology, Kumargaon, Sylhet-3114, Bangladesh

– **CGPA: 3.83/4.00** | Position: 3<sup>rd</sup> / 55 | Credits: 160.5– **Elective:** Computer Security, Bio-informatics

Undergraduate Thesis

– Title: "Decentralized Identity Federation" [1]

- Addressed key issues of [Identity Federation's architecture](#)
- Designed and Implemented [multi-org multi-node blockchain network](#)
- Got [Runners-Up position](#) in intra-batch scientific poster presentation
- *Supervisor:* Dr. Md. Sadek Ferdous

Projects

– SUSTCast

[github.com/sustcast](https://github.com/sustcast)

- [Opensource](#) automated online campus [radio station](#) and [audio streaming platform](#)
- Has a listener community of 1000+ students and alumni
- [Founder and Team leader](#)

– VOTE.IO

[github.com/fantastic007/vote.io](https://github.com/fantastic007/vote.io)

- A [blockchain based e-voting](#) platform
- Developed in a [hackathon](#) and contributed as a [Team Leader](#)

**More projects on my github profile: [shuhanmirza](#)**

Leadership

– General Secretary, RoboSUST

- [Research-based](#) robotics organization of SUST
- Set operational and administrative strategies to achieve organizational goals
- [Managed](#) and initiated several [research projects](#), workshops, seminars, and competitions
- 5 times increment in number of members

## ACHIEVEMENTS

- Best Prototype Award, 2021, [Blockchain Olympiad Bangladesh](#)
- Award of Merit, 2020, [International Blockchain Olympiad](#)
- 6<sup>th</sup>, 2020, [Blockchain Olympiad Bangladesh](#)
- Champion, 2017, [Hackathon](#), 9<sup>th</sup> ICT fest, IUT
- Champion, 2016, Sumo Robot Fight, NSU
- Champion, 2016, 3<sup>rd</sup> RMA RoboRace, CUET
- Champion, 2018, Model Ship Propulsion Competition, BUET
- Champion, 2012, National Science Olympiad, Bangladesh Academy of Sciences
- Runners Up, 2016, International Autonomous Robotics Challenge, Bangladesh
- Runners Up, 2015, RoboFight, Electro Fair 2015, LU
- Runners Up, 2011, National Information and Technology Science Fair
- Bronze, 2013, [National Informatics Olympiad](#)

## PERSONAL SKILLS

Language

- **Mother-tongue:** Bengali
- **Other Language:** English [ IELTS 7.5 ] [ CEFR C1 ]

[Blockchain](#)

Hyperledger Fabric, Hyperledger Explorer

Programming Language

Java, Python, Shell, JavaScript, GoLang, Arduino

Framework

Android, Django, NodeJs

Tools &amp; Libraries

Docker, Git, Selenium, SimpleSAMLpHp, JMeter, Zimlet, JQuery

Cloud

AWS

Operating System

Ubuntu, Lubuntu, CentOS, Windows, Raspbian

Embedded System and IoT

Atmel AVR, Arduino, NodeMCU, Raspberry Pi

Database

Firebase, Sqlite, PostgreSQL, CouchDB, MySQL