

# Najmus Sakib Borson

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## CONTACT INFORMATION

House No-76  
Block No-D , Road No-5,  
Bashundhara R/A,  
Dhaka 1229, Bangladesh.

 (+88) 1798599869  
 borson.rp@gmail.com  
 [linked.in/BorsonSakib](https://www.linkedin.com/BorsonSakib)  
 [github.com/BorsonSakib](https://github.com/BorsonSakib)

## EDUCATION

**North South University (NSU)**, Dhaka, Bangladesh.

B.Sc. in Computer Science and Engineering, January 2016 – April 2020

- CGPA: 3.19 out of 4.00 (85% marks)
- Specialization: *Artificial Intelligence Trail*

**Carmichael College**, Rangpur, Bangladesh.

Higher Secondary School Certificate (H.S.C), Session – (2013–2014)

- GPA: 4.83 out of 5.00
- Group: Science

**Rangpur Zilla School** , Rangpur, Bangladesh.

Secondary School Certificate (S.S.C), Session – (2011–2012)

- GPA: 5.00 out of 5.00
- Group: Science

## SKILLS

- **Programming**-Python (Proficient), SQL (Proficient), C/C++ (Proficient), Java, HTML/CSS
- **Framework**- Django, Plotly, Dash, Bootstrap
- **AWS**-API Gateway, Lambda, Cognito, CloudFront, S3, Route 53, DynamoDB, Serverless Application Model (SAM), CloudFormation
- **Machine Learning**- NumPy, Scikit-Learn, Pandas, Seaborn, Keras
- **Database**- RDBMS, MySQL, NoSQL
- **Development**-RestAPI, Postman, Git, Docker

## WORK EXPERIENCE

**Shadhin Lab**

Dhaka, Bangladesh

*Software Engineering Intern*

October 2020 – December 2020

- Software Development using Amazon Web Service(AWS)
- Developed a Rest API based authentication system
- Database Designing (NoSQL)
- AWS Serverless Application Model Designing (AWS-SAM)

## RESEARCH INTERESTS

1. Data Science
2. Big Data and Cloud Computing
3. Business Intelligence

## PUBLICATIONS

1. **N. S. Borson**, M. R. Kabir, Z. Zamal and R. M. Rahman, “Correlation analysis of demographic factors on low birth weight and prediction modeling using machine learning techniques”, *Fourth World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4)*, pp. 169-173, London, United Kingdom, 2020.
2. M. R. Kabir, **N. S. Borson**, S. Momen and M. S. Hossain, “Forecasting sea level rise using machine learning techniques”, *TIU Transaction on Intelligent Computing*, vol. 3, India, 2019.

## UNDERGRADUATE PROJECTS

1. **RestAPI based authentication system for Web and Mobile platform (AWS Serverless Framework).**
  - An API based authentication system which is usable in any Web or mobile platform.
  - Development tools- AWS API Gateway, Cognito, Lambda, DynamoDB, CloudFormation
2. **An Interactive Dashboard to Visualize Health and Demographic Survey Data.**
  - This is a project of mine from Directed Research Project. The objective of this project was to build a interactive dashboard to visualise and analyse Demographic and Health survey data.
  - Development Tools- Python, Dash, Plotly, NumPy.
3. **FBI-Forensic Bangla Investigator.**
  - Forensic analysis of Bangla Handwritten Language to predict age and division from Bangla Handwritten Dataset (Image).
  - Tools used- Python, CNN, Keras.
4. **Remote Health Monitoring System.**
  - Developed a micro-controller based system to measure blood pressure, body temperature and ECG. Then, visualised the result with a third party web server. The objective of this project was to facilitate Tele-medicine by implementing in a easier way.
  - Tools used- Arduino, Biometric Sensors, ThingSpeak.

## EXTRACURRICULAR ACTIVITIES

1. **WE FOR THEM (A Non-Profit Organization in Bangladesh)**  
*Public Relations Coordinator* October 2019 – Present
2. **Computer and Engineering Club (NSU)**  
*Member* 2017–2018

## REFERENCES

- Dr. Mohammad Rashedur Rahman [✉ rashedur.rahman@northsouth.edu](mailto:rashedur.rahman@northsouth.edu)  
Professor & Graduate Co-ordinator  
Department of Electrical and Computer Engineering  
North South University, Bangladesh.
- Dr. Sifat Momen [✉ sifat.momen@northsouth.edu](mailto:sifat.momen@northsouth.edu)  
Associate Professor  
Department of Electrical and Computer Engineering  
North South University, Bangladesh.