

MST NIPA KHATUN

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196/2B, Rayer Bazar, Mohammadpur, Dhaka-1207



A dedicated individual, seeking an opportunity to begin my career in a reputable organization to expand my knowledge and skills, while making a significant contribution to the success of the company.

EDUCATION

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| 2024 – Ongoing | IIT Dhaka University, Dhaka Masters of Science in Information Technology CGPA-Last Semester |
| 2018-2023 | University of Asia Pacific, Dhaka B.Sc. in Computer Science & Engineering CGPA- 3.62/4.00 |
| 2018 | Lalmatia Mohila College, Dhaka Higher Secondary Certificate (HSC) GPA- 4.00/5.00 |
| 2016 | Adarsha High School, Dhaka Secondary School Certificate (SSC) GPA- 4.56/5.00 |

TECHNICAL SKILLS

Programming: Java, Spring Boot, JPA, Hibernate, Thymeleaf, HTML, CSS, Java Script, jQuery, Bootstrap, DSA.

Database: MySQL.

Applications: Microsoft Office (Word, Excel, Power point).

Tools: IntelliJ, DataGrip, CodeBlocks.

Other Technical Skills: Git, Documentation Writing.

EXPERIENCES

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| April 2024-Present | Junior Java Developer(Remote) Crack Code Bd. Dhaka, Bangladesh |
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PROJECTS

Payment Service:(Ongoing) Github Link

[Technology-Java, Spring Boot, JPA, Hybarnate, MySql]

This project mainly a payment gateway to make payment from any service as like this service can be used as a payment gateway with a E-Commerce application.

FEATURES:

- Authentication and Authorization.
- Make E-Money from E-Money seller.
- Create distributor
- Merchant to user payment.
- User to User Payment
- Distributor to merchant payment with considering their percentage.

AgroNeed:GithubLink-(Demonstration: Click)

[Technology- Java 21, Spring Boot, Spring Security, JWT, Java Script, HTML, CSS, Thymeleaf, JPA, Hibernate, MySQL]

This project is a feature rich E-Commerce application designed to offer a seamless online shopping experience. It enables users to browse, select, and purchase products conveniently, aiming to simplify and enhance their everyday shopping activities

Web Calculator:GithubLink

[Technology-HTML, CSS, Java Script, jQuery]

It is web application, here I have created a simple calculator project using Java Script.

BookStore Management: [GitHub Link](#)

[Technology-Java, Spring Boot, HTML, CSS, Thymeleaf, JPA, Hybarnate, MySql]

It is web application for Book store management system where I have made REST API to Book Create, Read ,Update, Delete and integrated those API's with frontend using Thymeleaf.

Employee Management System: [GitHub Link](#)

[Technology- Java , Spring Boot ,HTML, CSS ,JPA, Hybarnate, Thymeleaf, MySql]

It is web application, here I have created CRUD REST API and integrated with frontend using Thymeleaf

Student Management System: [Github Link](#)

[Technology-Java, Spring Boot, HTML, CSS, Thymeleaf, JPA, Hybarnate, MySql]

It is web application, here I have created multiple REST API and integrated with frontend using Thymeleaf.

Added functionality add, update, delete, result.



RESEARCH And PUBLICATIONS

Journal Paper (MDPI)

: Begum, Nasima, Rashik Rahman, Nusrat Jahan, Saqib Sizan Khan, Tanjina Helaly, Ashrafal Haque, and Nipa Khatun. **"Borno-Net: A Real-Time Bengali Sign-Character Detection and Sentence Generation System Using Quantized Yolov4-Tiny and LSTMs."** Applied Sciences 13, no. 9 (2023): 5219.

Journal Paper (IJACSA)

: **"QMX-BdSL49: An Efficient Recognition Approach for Bengali Sign Language with Quantize Modified Xception."** International Journal of Advanced Computer Science and Applications 14, no. 5 (May 31, 2023).
<https://doi.org/10.14569/ijacsa.2023.01405113>.

Journal Paper (Data in Brief)

: Hasib, Ayman, Jannatul Ferdous Eva, Saqib Sizan Khan, Mst. Nipa Khatun, Ashrafal Haque, Nishat Shahrin, Rashik Rahman, Hasan Murad, Md. Rajibul Islam, and Molla Rashied Hussein. **"BDSL 49: A Comprehensive Dataset of Bangla Sign Language."** Data in Brief, June 18, 2023, 109329. <https://doi.org/10.1016/j.dib.2023.109329>.

Conference Paper (Springer)

: Khan, Saqib Sizan, Ashrafal Haque, Nipa Khatun, Nasima Begum, Nusrat Jahan, and Tanjina Helaly. **"An Evaluation of BdSL 49 Dataset Using Transfer Learning Techniques: A Review."** In Proceedings of the Fourth International Conference on Trends in Computational and Cognitive Engineering, 437–47. Springer Nature, 2023.
https://doi.org/10.1007/978-981-19-9483-8_37

+ AWARDS AND ACHIEVEMENTS

- **Vice Chancellor's Award** - Spring 2020 , UAP
- **Dean Award** - Fall 2020,UAP
- **Dean Award** - Spring 2021, UAP
- **Research Achievement:** Conference paper accepted and presented in "4th International Conference on Trends in Computational and Cognitive Engineering (TCCE) 2022".
- Secured 1st runner up in Intra Department Math Olympiad 2019.

👥 SOCIAL & VOLUNTARY WORKS

- Volunteered in ICPC – **International Collegiate Programming Contest 2022** Hosted by UAP.
- Volunteered in **Ada Lovelace Celebration 2022**
- **BDOSN**
- Volunteered in **National IT Competition 2022 BDOSN**
- Volunteered in **Bangladesh Junior Science Olympic 2020**



PARTICIPATIONS

- Participated in **Inter Department Programming Contest 2018**, UAP
- Participated in **Intra Department math olympiad 2019**, UAP
- Participated in **National Women's Mathematics Olympiad 2020**, Dhaka University (DU).
- Participant, **"4th International Conference on Trends in Computational and Cognitive Engineering (TCCE) 2022"** organized by MBSTU (2022).
- Participated in **Software & Hardware Carnival 2022**, UAP.