

# MD NURUZZAMAN SOJIB

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## Education

**Bachelor of Science in Information Technology**

Jahangirnagar University

**March 2017 – February 2022**

CGPA: 3.61/4.00

## Work Experience

**Associate Software Engineer**

hSenid Business Solutions

**March 2023 – Present**

Dhaka, Bangladesh

- Developed 'PeoplesHR Config Assist', an automated system to streamline the initial configurations of the PeoplesHR Software for clients, enhancing efficiency and reducing manual setup efforts.
- Enabled clients to customize common configurations by uploading logo images and defining user name/user ID patterns for employees, enhancing brand representation and user identification.
- Implemented the Advanced Configuration feature allowing clients to upload crucial employee information and Leave Type data through Excel sheets or a wizard mode, ensuring accurate data storage and reducing data input errors.
- Implemented an approval/rejection workflow, allowing admins to make informed decisions based on validation results. Approved data is transferred to the main PeoplesHR Software database, enabling clients to utilize the customized configurations.

**Teacher (Information and Communication Technology)**

Paragon Academic Coaching Centre

**February 2019 – February 2023**

Dhaka, Bangladesh

- Instructed higher secondary level students in a range of Information and Communication Technology topics, including C programming, database basics, web development, and logic circuits.
- Created challenging exam questions to assess student knowledge and growth in the subject matter.
- Conducted thorough and fair evaluations of student exams, providing constructive feedback for improvement.
- Adapted teaching methods to cater to diverse learning styles, ensuring all students could grasp and apply the concepts effectively.

## Research Experience

**Adaptive Steganography based on Encryption, Randomization and GPT-2**

Undergraduate Thesis

- Developed a cutting-edge algorithm that ensures secure message transmission by combining steganography, cryptography, and randomization techniques.
- Designed an innovative approach to conceal sensitive information within seemingly innocuous data, utilizing steganography to embed the message inconspicuously.
- Leveraged advanced cryptographic methods to encode the hidden message, enhancing the security and confidentiality of the transmitted data.
- Utilized the GPT-2 model to generate contextually coherent cover text that effectively conceals the secret information, ensuring a seamless blend of the hidden message with meaningful content.

## Standardized Test Scores

**GRE**

**October 2023**

Total	Quant	Verbal
310	156	154

**IELTS**

**October 2022**

Overall	Listening	Reading	Speaking	Writing
8.0	9.0	8.5	7.5	6.5

## Projects

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### Employee Management System | *ASP.Net Core MVC, Entity Framework, MySQL Server*

- Created a streamlined process for the admin to scan unique bar codes associated with employees, providing an efficient and accurate method of identification.
- Implemented a bar code scanning feature that facilitates data entry and updates by associating employees with their unique bar codes, enhancing accuracy and minimizing faults.
- Developed a robust reporting module enabling the generation of CSV or Excel sheets containing employee information, improving data analysis and reporting capabilities.

### Point of Sale (POS) System | *ASP.Net Core MVC, ADO.Net, SQL Server, JavaScript, JQuery*

- Developed a dynamic web application tailored for efficient sales information management, allowing users to seamlessly track products, quantities, unit prices, and total prices.
- Designed an intuitive and user-friendly interface that enables users to select products, input quantities, and dynamically calculates unit prices and total prices in real time.

### Stock Market Worker Service | *ASP.Net Core, Worker Service, Entity Framework, SQL Server*

- Developed a worker service project using .NET Core to automate the retrieval and storage of company-wise stock price information from the Dhaka Stock Exchange Ltd.'s website.
- Developed a scheduler within the worker service to automate periodic data retrieval, ensuring up-to-date and real-time stock price information storage.

## Technical Skills

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**Languages:** C#, Python, HTML, CSS, JavaScript, SQL

**Software/Tools:** VS Code, Visual Studio, Azure DevOps, Jupyter Notebook, Anaconda, Matlab, Cisco Packet Tracer, Postman

**Technologies/Frameworks:** ASP.NET Core, Vue.js, Web API, ADO.NET, SQL Server, OOP, Entity Framework, LINQ, GitHub, Pandas, NumPy, Docker, RDBMS, Design Patterns

## Linguistic Proficiency

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• English (C2)

• Bangla (Native)

## Certification

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Full Stack ASP.Net Core MVC Web Development Dev Skill	June 2022 – February 2023
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Professional Programming with C# Dev Skill	Juky 2021 – October 2023
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Introduction to Data Science in Python, University of Michigan Coursera	February 2020 – May 2020
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## Extra-curricular Activities and Achievements

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- Compensatory Scholarship from Jahangirnagar University, Dhaka
- Vice Chair, IEEE Jahangirnagar University Student Branch (March 2022 – March 2023 )
- Joint Secretary, IEEE Student Branch Jahangirnagar University (March 2018 – March 2019 )

## References

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**Dr. M. Shamim Kaiser**

Professor,  
Institute of Information Technology,  
Jahangirnagar University,  
Dhaka, Bangladesh

**K M Akkas Ali**

Professor (Thesis Supervisor),  
Institute of Information Technology,  
Jahangirnagar University,  
Dhaka, Bangladesh

**Md. Jalal Uddin**

Founder & Software Architect,  
Dev Skill,  
Dhaka, Bangladesh