Nipen Paul

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Github: @NipenPaul | LinkedIn: @nipenpaul | Blog: https://nipenpaul.github.io

Education

- **Dhaka University of Engineering & Technology (DUET)**   *March 2019 - June 2023*
    - BSc, Computer Science and Engineering
    - CGPA - **3.08**

- **Thakurgaon Polytechnic Institute,Thakurgaon**   *October 2012 - November 2016*
    - Diploma in Engineering, Computer Technology
    - CGPA - **3.53**

- **Atwari Model Pilot High School**   *January 2007 - March 2012*
    - SSC, Science
    - CGPA - **4.38**

Technical Skills

- **Problem Solving**
    - Almost (2200+ and counting) problems solved on several online platform.
    - Codeforces Max-rating **1383**. Handle: @Nipen_Paul
    - LeetCode Max-rating **1741**. Handle: @Nipen_Paul
    - CodeChef Max-rating **1651**. Handle: @nipen_paul

- **Programming Languages and Misc.**
    - C/C++, Python, JavaScript, Data Structures, Algorithms, OOP, Git & Github, Ubuntu, MySQL, MongoDB, NodeJs, ExpressJs

Competitive Programming Experiences

- **ICPC Asia West Continent Finalist 2021**
- **ICPC Asia Dhaka Regional Contest 2019 to 2021**
- **Inter University Programming Contest**
    - RUET IUPC 2022 - RUET (Certificate), DUET IUPC 2019 - DUET.

- **Intra DUET Programming Contest**
    - IDPC-2021 (Contestant), IDPC-2022 (Organizer) (Certificate), IDPC-2023 (Organizer and Problem Setter).

Awards and Certifications

- **Champion of Intra-DUET Programming Contest** (2021, Became the **champion** of Intra-DUET Programming Contest held by DUET Computer Society, DUET) (Certificate)

Leadership Experiences (selected)

- **Former Vice President, Former General Secretary - DUET Computer Society** *July 2021 - June 2023*
  - I managed to train in Algorithm and Data Structure and organized IDPC-2022 as well as many online and offline events. (Certificate)

- **Volunteer - DUET CSE Fest 2019** *26-27 April, 2019*

Experiences

- **Brain Station 23 - Industrial Attachment / Academic Internship** *Nov 2022 - Dec 2022*
  - Gathered knowledge about office environment and software company
  - Developed communication, networking and collaborate with professional software engineers

Projects

- **Exploring MERN Stack Development:** Proficient in utilizing JavaScript for backend development, with a focus on MERN Stack technologies. Demonstrated expertise in building dynamic web applications through practical projects involving MongoDB, ExpressJS, React, and NodeJS.(GitHub)

- **BD Tour Guide:** I led the backend development and MySQL database implementation for the 'BD Tour Guide' academic team project. We created a travel agency platform using HTML, CSS, PHP, Bootstrap, and JavaScript, enabling seamless online tour bookings and user reviews. I also implemented admin features for package, review, and user account management, ensuring security.(GitHub)

Thesis

- **A Study of Quantum Computing and its Algorithm Compared Against Classical Computing:** To study, verify and observe the quantum computing phenomena in a real quantum computer. To analyze the time complexity of different algorithms in quantum and Classical Computing systems.(GitHub)

Field of Interests

- Software Engineering, Software Development, Programming Languages, Object Oriented Programming, Problem Solving, Data Structure, Algorithm, Core CS, Mathematics, Machine Learning, AI and Sports.

Reference

- **Dr. Md. Obaidur Rahman**
  Professor, Department of CSE
  Dhaka University of Engineering & Technology, Gazipur
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- **Dr. Fazlul Hasan Siddiqui**
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