Nipen Paul

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Blog: https://nipenpaul.github.io

Education

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

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
- **Languages**
    - C/C++, Java, JavaScript, Type-Script, HTML, CSS, Tailwind CSS
- **Framework**
    - STL, Java Spring Boot, React, Next.js and Node.js
- **Database**
    - MySQL, MongoDB
- **Misc.**
    - Data Structures, Algorithms, OOP, Git & Github, Docker, Ubuntu

Competitive Programming Experiences

- **ICPC Asia West Continent Finalist 2021**
    - Was first International onsite contest. Our team attended as the **19'th** team from our country.
- **ICPC Asia Dhaka Regional Contest 2021**
    - Selected for ICPC Asia Dhaka Regional 2021 hosted by BUBT and secured **40'th** rank among **165** teams (Certificate).
    - Selected for ICPC Dhaka Regional 2020 Main Round - Hosted by CSE, DU and secured **86'th** rank among **110** teams.
    - Selected for ICPC Dhaka Regional 2019 Organized by SEU and secured **130'th** rank among **190** teams.
- **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
- **Software Engineer Backend (Intern), Rokomari**   *01 Nov 2023 - Continue..*
  - Learning Core Java, MySQL, MongoDB, Java Spring Boot, Git & GitHub and Docker
  - Implementation of Product Authentication Verify System for Backend REST API and Some others practices project.
  - Implementation HTML table to save as Pdf and Excel sheet using HTML, CSS, Java Script, NodeJs and Express.
  - Learning React JS and Next JS with Tailwind CSS and Type-Script

Projects

- **Exploring Java Spring Boot for Backend Development:** Learning Core Java, MySQL, MongoDB, Java Spring Boot, Git & GitHub and Docker and Implementation of Product Authentication Verify System for Backend REST API and Some others practices code and project.
- **NodeJS 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, 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.