

Nipen Paul

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Education

- Dhaka University of Engineering & Technology (DUET)
 - Bachelor of Science in Computer Science and Engineering
 - CGPA: 3.08

March 2019 - June 2023

Technical Skills

- Problem Solving
 - Solved over [2200+ problems](#) on various online platforms.
 - Codeforces Max Rating: **1383**, Handle: [@Nipen_Paul](#)
 - LeetCode Max Rating: **1741**, Handle: [@Nipen_Paul](#)
 - CodeChef Max Rating: **1651**, Handle: [@nipen_paul](#)

Technical Skills

- **Languages:** C/C++, Java, JavaScript, Python
- **Backend Frameworks:** Java Spring Boot, JPA, Hibernate, Node.js (Basic), Golang (Basic), Spring Security, JWT Authentication, StripXSS
- **Frontend:** React, Next.js, HTML, CSS, Tailwind CSS, Bootstrap
- **Database:** MySQL, MongoDB, PostgreSQL, Redis (Basic)
- **Miscellaneous:** Data Structures, Algorithms, OOP, Docker, Git, RabbitMQ, Kafka, Elogger and Kibana

Competitive Programming & Achievements

- ICPC Asia Dhaka Regional 2021: Ranked 40th out of 165 teams ([Certificate](#))
- ICPC Asia West Continent Finalist 2021: Competed as part of the top teams from Bangladesh.
- Champion - Intra-DUET Programming Contest 2021 ([Certificate](#))
- RUET IUPC 2022: Participated in the competition ([Certificate](#))

Professional Experience (2+ Years)

- Jr. Software Engineer (Backend), Rokomari
 - Developed backend APIs for a Courier Delivery System.
 - Integrated payment gateways and Rokomari App API.
 - Built Purchase Monitoring and Inventory Management Systems.
 - Developed Courier Ledger, Payment, and Report System.

Nov 2023 - Present

- Designed Corporate Ledger, Payment, and Report System.
- Created Ledger, Payment, and Report Monitoring Systems for Account Management.
- Developed Digital Sales Management with Facebook Pixel and Conversion API.
- Enhanced system with ledger features and automated supplier payments.
- Integrated Facebook Pixel and Conversion API to optimize user experience and marketing efforts.
- Managed Cron Jobs to automate system maintenance tasks like report generation and user activity logging.
- Implemented Activity Services to track user behavior and improve system performance.
- Optimized and fixed bugs in the existing system.
- Worked with Node.js, Golang, MongoDB, React, Next.js, and related backend technologies.
- Industrial Attachment, Brain Station 23 *Nov 2022 - Dec 2022*
 - Gained hands-on experience in the software development life cycle, collaborating with senior engineers.

Projects

- **Java Spring Boot for Backend Development:**
 - Developed backend REST API for product authentication and verification using Java Spring Boot.
 - Worked with MySQL, MongoDB, Git, Docker, and other technologies.
- **Node.js Stack Development:**
 - Built dynamic web applications using the MERN Stack (MongoDB, ExpressJS, React, Node.js).
 - Proficient in backend development using JavaScript and related tools. ([GitHub](#))
- **BD Tour Guide:**
 - Led backend development and MySQL database implementation for a travel agency platform.
 - Developed booking systems, user reviews, and admin features for managing packages, reviews, and user accounts. ([GitHub](#))

Leadership Experience (Selected)

- Rokomari - New Intern Developer and Junior Developer Guidance *Nov 2023 - Present*
 - Led and mentored new interns, providing guidance on backend development best practices.
 - Assisted junior developers in understanding complex system designs and coding practices.
 - Provided technical support and helped streamline onboarding processes for new team members.
- Former Vice President, Former General Secretary - DUET Computer Society *July 2021 - June 2023*
 - Organized and conducted training sessions in Algorithms and Data Structures.
 - Successfully managed the Intra-DUET Programming Contest (IDPC-2022) and other events. ([Certificate](#))
- Volunteer - DUET CSE Fest 2019 *26-27 April, 2019*
 - Assisted in organizing the CSE Fest and contributed to various activities.

Field of Interests

- Software Engineering, System Design, Data Structures, Algorithms, Database Design, and Optimization.