

Md Nadim Mahmud

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Education

M.S. in Computer Science

Miami University, Oxford, OH

Research Interests: LLM, AI, Machine Learning, Wheelchair Accessibility

Aug 2024 – Present

Anticipated Graduation: May 2026

BSc. Engg. in Computer Science & Engineering

University of Rajshahi, Rajshahi, Bangladesh

GPA: 3.92

Jan 2017 – May 2022

Employment

Therap Bd Ltd. (Multinational), Dhaka, Bangladesh | [Link](#)

Oct 2022 – July 2024

Software Engineer

Tech Stack: Java Spring Framework, Hibernate, Oracle SQL, JSP, JavaScript, jQuery

- Played a key role in developing a scalable push notification framework, with a 300,000+ user base
- Developed Excel upload/download solutions using internal frameworks, improving data entry efficiency by 80%
- Implemented advanced archive and search functionality with internal frameworks
- Developed database migration scripts
- Conducted thorough code reviews, ensuring quality and best practices

Projects

MyPath – Wheelchair-Accessible Routing App | [Project Link](#)

Dec 2024 – Present

- Developed Java Spring Boot API to generate wheelchair-accessible routes based on latitude-longitude queries
- Returns routes with surface type, incline, turns, and duration for optimized accessibility

Online Restaurant Management System | [Project Link](#)

Jan 2023 – April 2023

- Implemented order processing, table management, and user profile management with secure login
- Utilized Java, Spring MVC, Hibernate, PostgreSQL, and JSP with role-based authentication (Admin, Chef, Waiter, User)
- Ensured security with input validation, custom exception handling, and request filtering to prevent vulnerabilities
- Automated project build and deployment using Gradle and Tomcat

RU Contacts App (10000+ downloads) | [PlayStore Link](#)

April 2022 – June 2022

- Developed a contacts app for Rajshahi University using Android Studio and Kotlin
- Implemented MVVM architecture for better maintainability and scalability

Leadership and University Engagements

Graduate Teaching Assistant, Miami University, Oxford, OH

Aug 2024 – Present

- Mentoring students in their Software Engineering projects, helping with design and implementation

Programming Club Trainer, University of Rajshahi, Rajshahi, Bangladesh

Jan 2018 – Nov 2021

- Conducted 100+ Algorithm and Data Structure sessions
- Organized 20+ programming contests

Achievements and Programming Contests

- Faculty of Engineering Dean's List, University of Rajshahi | [Certificates Link](#) Academic Years: 2017, 2018, 2019, 2020
- Ranked **6th in ITEE** FE Exam taken by IPA of Japan | [Result Link](#) Nov 2021
- Passed professional test at Samsung R & D Bangladesh Sept 2022
- Ranked 25th, Nadim_Mahmud, Samsung R&D Bangladesh Coding Contest | [Link](#) 2019
- Ranked 74th, RU_Squadron, ICPC Dhaka regional contest | [ICPC ID Link](#) 2019

Language and Technologies

- **Programming Languages:** C, C++, Java, Python, JavaScript, Matlab
- **Tech-Stack:** Java Spring, Hibernate, JSP, MySQL, Oracle SQL
- **Version Control:** Git, GitHub, Bitbucket