MD. Nadim Mahmud

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EMPLOYMENT

Software Engineer at Therap BD Ltd.   **1 October 2022 — Present**
- Full Stack web development with Java Spring Framework, Hibernate as ORM, Oracle SQL, Jsp, JavaScript, jQuery
- R & D on push notification, strategy for reliable and resilient notification system for billions of users.

Software Engineer at Samsung R&D Institute Bangladesh   **18 July 2022 — 30 Sep 2022**
- Android Application Development

EDUCATION

B.Sc. in Computer Science & Engineering, University of Rajshahi.   **January 2017 — July 2022**
CGPA: 3.92 out of 4 (**Top of the batch**).
Undergraduate Coursework: Programming Languages; Algorithms; Data Structures; Object Oriented Programming with Java; Operating Systems; Databases; Networking; System Design; Parallel Processing.

RESEARCH AND PROJECTS

RU Contacts App: Play Store Link   **April 2022 — June 2022**
- Contacts app of Rajshahi University. with 10000+ downloads
- Used MVVM architecture, Room Database, Retrofit Library.
- Android Studio, Kotlin

Functional connectivity of ASD patients brain: Project Paper Link   **November 2021 — April 2022**
- Research on fMRI images of different Autism Spectrum Disorder patients & find-out correlation among resting state brain function of different Region of interest.
- Implemented data pre-processing script for roi-extraction, correlation & union of voxels of each ROI.
- Python, R, Matlab, Spm12, Fsl, Afni

OpenGL Day-Night Simulator: Project link   **October 2021 — November 2021**
- R&D on Cartesian coordinate system to simulate changing coordinate of moving object.
- C++, OpenGL

Alumni Contact App: Play Store Link   **January 2020 — March 2020**
- Alumni Contact app for two different Institutions. One app has 500+ users.
- Used Android Studio, Java, SQLite, Network API connectivity for dynamic database update on thread and different Layouts.

ACHIEVEMENTS

- Received **Dean's Award** in every **four** academic year
- Ranked **6th in ITEE FE** Exam taken by IPA of Japan
- Passed professional level test at Samsung R & D Bangladesh while employed by Samsung
- **Ranked 25th,** Nadim_Mahmud, Samsung R&D Bangladesh Coding Contest 2019. Rank Link
- **Ranked 74th,** RU_Squadron, ICPC 2019 Dhaka regional contest. ICPC ID Link
- **LightOJ:** 207 problems solved.

VOLUNTEER WORK

- **CSE RU Programming Club, Trainer** (2018 — 2022): I took ∼100 Algorithm and Data Structure sessions of the juniors of University Of Rajshahi and arranged ∼20 contests in vjudge.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** C, C++, Java, JavaScript, Kotlin, Python, Matlab
- **Tech Stack:** Java, Hibernate, Jsp, Oracle SQL
- **Framework:** Java Spring
- **Technology:** Git, Latex
- **Software Engineering Principles:** Agile methodology, Version control
- **Data Analysis:** Python, Excel
- **Concepts:** OOP, Data structure and Algorithms
- **Database:** MySQL, MongoDB
- **Design Patterns:** MVC