

EDUCATION

North South University

BS degree in Computer Science and Engineering, CGPA: 3.40/4.0

Basundhara R/A, Dhaka

Jan 2018 – Dec 2022

- **Concentrations:** Software Development & Machine Learning
- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Objects & Software Design, Computer Organization, Systems & Networks, Design of Algorithms, Database Systems

WORK EXPERIENCE

Bitnix Techlonogy Ltd.

Flutter Developer(Mid-Level)

24 Kamal Ataturk Avenue, Banani, Dhaka 1213

Sep 2024 – Running

- **Designed and developed an interactive data visualization feature** using `fl_chart` to represent dynamic price changes in real-time via WebSocket integration.
- **Implemented secure user authentication and registration workflows** utilizing Keycloak, ensuring robust identity management and seamless user experience.
- **Built and optimized modules** to manage and display data-driven statuses, including active, closed, and pending items, with actionable states like buy, sell, and open.
- **Collaborated with cross-functional teams** to deliver an efficient and user-friendly application, addressing real-time updates and enhanced data clarity.
- **Developing a secure and scalable messaging application** inspired by WhatsApp, featuring **real-time messaging, group chats, and media sharing** capabilities.
- **Implementing end-to-end encryption** to ensure user privacy and **integrating push notifications** for real-time updates and enhanced user engagement.

Smart Software Ltd.

Junior Flutter Developer

Panthapath, Dhaka, Dhaka Division 1205

Jan 2023 – Aug 2024

- **Smart HRM:** Spearheaded the development of a cutting-edge Human Resource Management application, integrating **Google Maps, REST APIs, employee tracking, and notification systems**.
- Implemented secure and role-based user access for optimized workflow efficiency and streamlined HR processes.
- Achieved the milestone of publishing the application on the **Google Play Store: Smart HRM on Play Store**.
- **Smart Salesforce App and Supply Chain Management ERP:** Designed and implemented features for **Doctor creation, Doctor planning, Customer creation, Leave applications, and Approval workflows**.
- Facilitated API integrations to enhance data connectivity and collaborated on ensuring secure and permitted user access to critical functionalities.

Smart Software Ltd.

Intern Flutter Developer

Panthapath, Dhaka, Dhaka Division 1205

Nov 2023 – Jan 2024

- **Contributed to the development of MyExam**, a web and mobile-based app designed by Chartered Accountants to assist CA students in exam preparation.
- Implemented features that seamlessly integrated MCQ exams and class tutorials to enhance user experience and preparation efficiency.
- Collaborated with the team to ensure the app's functionality and smooth performance across platforms.
- Published the app on the Google Play Store: *MyExam on Play Store*.

PROJECTS

- **Hotel Booking System (Flutter and Backend with Node.js, Express, MongoDB):** Developed a comprehensive hotel booking system with a seamless frontend using **Flutter** and a robust backend powered by **Node.js, Express**, and **MongoDB**. Implemented key features such as specific date availability for bookings, favorites functionality, and management of ongoing bookings. Ensured a smooth user experience and efficient data handling through optimized API integration and state management. **Backend System:** Integrated **Flutter** with a highly scalable backend, showcasing skills in **Node.js, Express.js**, and **MongoDB** for a complete solution.

- **Poplar Spice (Flutter and Backend with Node.js, Express, MongoDB):** Designed and developed a user-friendly food delivery app using **Flutter** for the frontend and **Node.js, Express,** and **MongoDB** for the backend. Implemented key features such as a food ordering system, promotional offers on food, category-wise food browsing, and a favorites functionality. Ensured seamless navigation and efficient data management for an optimal user experience. **Backend System:** Leveraged **Node.js, Express.js,** and **MongoDB** to handle complex data operations and APIs effectively, demonstrating backend expertise.
- **Orange Theatre (Movie App) GitHub Link:** Developed a comprehensive movie exploration app using **Flutter**, featuring a responsive user interface and seamless user experience. Key functionalities include:
 - **Movie Exploration:** Browse trending movies, upcoming releases, and various genres.
 - **Movie Details:** Access detailed information such as genres, release dates, and reviews for each movie.
 - **User Favorites:** Save movies to a favorites list for quick access.
 - **Nearby Movie Theatres:** Search and locate movie theatres conveniently.
 - **Day/Night Mood:** Toggle between light and dark modes for a personalized experience.
 - **Responsive UI:** A visually appealing interface that adapts seamlessly to different screen sizes.

Backend System: Highlighted backend expertise by integrating **Node.js, Express.js,** and **MongoDB/Firebase** to provide real-time data updates and smooth communication between the client-side and server-side.

UNIVERSITY PROJECTS

Text-to-Mental-Health-Detection using ML (BetterAid App)

- A mobile application-based health assistant integrated with machine-learning algorithms.
- Mental health experts detect mental health problems through machine-learning algorithms.
- Implemented XGBoost and Naive Bayes as machine-learning models.
- Integrated the machine learning algorithm into the mobile app using a Flask API.
- **Technology:** Flutter, ML, Flask API.

SKILLS

Languages: Dart, Java, Javascript, C++, C

Framework: Flutter, React.js(Basic),

Technologies: Git, Node.js, React, MySQL, MongoDB, AWS, Docker, Linux, HTML/CSS