

# Fahad Bin Aziz Nabil

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👤 fbanabil 💬 Fahad Bin Aziz Nabil 💽 DNZLREV



## Education

**Chittagong University of Engineering and Technology**  
*BSc in Computer Science and Engineering*

March 2022 – Present

**Notre Dame College, Dhaka**  
*Science*

June 2018 – Dec 2020

**Kushtia Zilla School, Kushtia**  
*Science*

Jan 2013 – Feb 2018

## Technical Experience

### Development Projects

**Student Hall Management System (Backend)**  
[https://github.com/fbanabil/Hall\\_Management\\_System\\_Backend](https://github.com/fbanabil/Hall_Management_System_Backend)  
ASP.NET Web API, React.js, Azure Data Studio

- Developed a comprehensive hall/hostel management system for university administration.
- Implemented features for students to apply for rooms, pay monthly dining and seasonal room fees, submit complaints, and view notices.
- Created admin capabilities for room allocation, fee management, complaint review, and notice posting.

### Used Car Price Prediction Engine

<https://github.com/fbanabil/UsedCarPricePrediction>  
ASP.NET Core MVC, Python, Scikit-Learn, Pandas, JavaScript, HTML, CSS

- Engineered a full-stack machine learning web application to accurately predict market values for used vehicles, analyzing features like make, model, year, mileage, and title status.
- Developed and fine-tuned a predictive model using Python (Scikit-Learn, Pandas), achieving strong performance through data cleaning, feature engineering, and algorithm selection (e.g., Random Forest, Gradient Boosting).
- Designed a RESTful API using ASP.NET Core to seamlessly serve the machine learning model, handling client requests and returning JSON-formatted predictions.
- Built an interactive front-end interface that allows users to input vehicle details and receive instant price estimations, enhancing user engagement and practicality.

### Letterly - Dynamic Word Suggestion Engine

[https://github.com/fbanabil/Letterly\\_App](https://github.com/fbanabil/Letterly_App)  
Android Studio, Kotlin

- Designed and developed an Android application that provides real-time word suggestions to enhance vocabulary, writing, and game strategy.
- Engineered a dynamic UI allowing users to customize the number of letter boxes and input specific character constraints, including positional letters and exclusions.

- Implemented core logic to process user inputs, validate for formatting errors, and generate a filtered list of matching words from an integrated lexicon.
- Focused on creating an intuitive user experience with instant feedback and clear error notifications for invalid input patterns.

## Extracurricular Activities

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### Vice President — *Greater Kushtia Association, CUET*

- Lead the executive board in planning and executing cultural, social, and professional events for a regional student body.
- Manage a team of 10+ members, delegating tasks and coordinating efforts to ensure the successful organization of large-scale events.
- Represent the association to university administration and external sponsors, enhancing its presence and securing support.

### Event Volunteer — *CSE Festival, CUET*

- Played a key role in the operational success of the department's flagship annual event, which hosted hundreds of participants.
- Managed event logistics for tech competitions and provided support to ensure a smooth attendee experience.

## Technologies

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**Proficient:** **Languages:** C, C++, C#, Python, SQL.  
**Frameworks:** ASP.NET Core.  
**Frontend:** HTML5, CSS, JavaScript.  
**Tools/Databases:** SSMS, Azure , Git.

**Familiar:** **Languages:** Kotlin, Java.  
**Frameworks:** Android Studio.  
**JS Ecosystem:** React.js, Node.js, Express.js.  
**Databases:** MongoDB, MySQL.  
**Data Science:** Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn.

## Languages

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**Bangla:** Mother language

**English:** Fluid in both conversation and writing

## Interests

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- **Competitive Programming:** Regular participant on Codeforces; enjoys the challenge of solving complex algorithmic problems and improving efficiency.
- **Football & Strategy Gaming:** Avid follower of international football leagues and enjoy deconstructing game tactics through playing FIFA.
- **Story-Driven Media:** Enthusiastic about exploring anime and films with strong narratives and world-building, from classics to new releases.