

MD. AL-AMIN

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Career Objectives

As a beginner to the sector of information technology, I intend to gain hands-on experience in developing and testing software applications and systems. I aim to expand my technical skills and knowledge by working on real-world projects under the guidance of experienced professionals. I aspire to contribute to the success of the organization by delivering high-quality work and learning from feedback.

Education

2018 – Present (BSc)	Institute: Institute of Information Technology, NSTU Major: Software Engineering Result: CGPA 3.85 out of 4.00 (up to 7 th semester)
2015 – 2017 (HSC)	Institute: Govt. Bangla College, Dhaka Major: Science Result: GPA 5.00 out of 5.00
2013 – 2015 (SSC)	Institute: Annada Govt. High School, Brahmanbaria Major: Science Result: GPA 5.00 out of 5.00

Technical Skills

Programming Languages	: Python, Java, C, Dart
Web Technologies	: ReactJS, Django, Django REST framework, PHP, HTML, CSS, Bootstrap, JavaScript
Database	: MySQL
Mobile Technologies	: Flutter
Office Suite	: Microsoft Office (Word, PowerPoint, Excel), Latex
IDEs	: IntelliJ, NetBeans, VS code
Operating System	: Microsoft Windows

Academic Projects

AudioVision: Audio Caption of Real-Time Captured Images



20 Jan 2024 – Present

As part of my final year project, I have developed a mobile app that captures images and generates audio captions for them. The aim of this project is to help visually impaired people by providing them with descriptive audio feedback of their surroundings. The app utilizes an encoder-decoder based deep learning model to generate accurate and meaningful captions, ensuring a reliable and user-friendly experience

Technologies: **Python, Machine learning, Deep learning, Flutter**

 <https://github.com/AIAmin008/AudioVision>


Restaurant Reservation System



14 Nov 2022 – 15 Jan 2023

A website that lets you reserve a table at a restaurant. The creation of a booking system served as the primary inspiration for this application. Core functionality includes reserving one or multiple tables, pre-ordering foods, updating daily menu, posting offers and discounts and reservation management.

Technologies: **html, CSS, JavaScript, Bootstrap 5, PHP, MySQL**

 <https://github.com/AIAmin008/RestaurentReservationSystem>


NSTU Food Ordering System



2 July 2022- 10 Sep 2022

A web application created with educational purposes. Here, students may place online meal orders while vendors can show off their wares to potential customers.

Technologies: **html, CSS, JavaScript, Bootstrap 5, PHP, MySQL**

 <https://github.com/SouravBarman001/NSTU-Food-Ordering-System>


Academic Document Processing Portal



6 July 2022 - 22 Sep 2022

This website was created as a means of automating the academic document receipt process. We created the system's web and mobile versions. Additionally, the blockchain concept was used for high security.

Technologies: **html, CSS, JavaScript, Bootstrap 5, dart, Flutter, MySQL**

 <https://github.com/IIT-NSTU/NSTU-ADPP>


IIT Library



13 Feb 2020 - 2 Oct 2021

IIT students can access all the relevant textbooks and educational resources in our java-based application. It was developed keeping Software Project Lab-I in mind. We applied core Java concepts and learned Java Swing throughout the project.

Technologies: **Java, Java Swing**

 <https://github.com/IIT-NSTU/IIT-Library>

Restaurant Billing System



20 Feb 2020 - 15 Sep 2021

An application built on Java that automates the restaurant billing process. Using the technology, a user can quickly compute and produce a customer's bill. It was created as a part of Object-Oriented Programming Lab II.

Technologies: **Java, Java Swing**



https://github.com/AIAmin008/Restaurant_Billing_Calculator

Personal Projects

Movie Recommendation System



01 July 2024 - 03 July 2024

Developed an engaging movie recommendation system with a user-friendly interface built using Streamlit. This system allows users to search for any movie and receive comprehensive information about it. Utilizing the TMDB database and APIs, the recommendation system employs content-based filtering to suggest similar movies that the user might like.

Technologies: **Python, Machine learning, Streamlit**



https://github.com/AIAmin008/Movie_Recommender_System

Resume Analysis and Job Suggestion



25 Sep 2023 – 01 Oct 2023

Resume Analysis and Job Suggestion project automates resume parsing to extract key skills and qualifications. Leveraging a recommendation engine, it matches candidates with personalized job suggestions, streamlining the job search process and increasing the likelihood of success.

Technologies: **Python, Machine learning, Streamlit**



<https://github.com/AIAmin008/Resume-Analysis>

T20 Score Predictor



15 June 2023 -20 June 2023

This machine learning project forecasts the batting team's score for that match using the names of the bowling and batting teams, the current run rate, and more as input. Here, XGBRegressor was implemented as the prediction algorithm, and the web application was created using the streamline library.

Technologies: **Python, Machine learning, Streamlit**



<https://github.com/AIAmin008/Cricket-Score-Predictor>

Certifications



Machine Learning

Aug, 2023 – Nov, 2023

Hire and Train program of the **EDGE** (Enhancing Digital Government & Economy)

Organized By: Tappware Solutions Limited

Managed By: Institute of Information Technology (IIT), University of Dhaka



Web Design

Aug, 2019 – Jan, 2020

Institute of Information Technology

Noakhali Science and Technology University

Work Experience



Tappware Solutions Limited, Purana Paltan, Dhaka

Software Engineering Intern

June, 2023 – Dec, 2023

- Worked on research tasks and produced research reports
- Learned Framework such as Django, Django REST framework, React
- Developed a project using React, Django, Django REST framework, and Machine learning
- Helped seniors with various tasks such as documentation, presentation, database design, etc.

Extracurricular Activities

- Participated in inter-university programming contests.
- Participated in inter-school debating tournaments.
- Helped in managing departmental events, such as the fresher's reception, farewell and get-togethers.
- Played on the football team at my school.

Major Course Completed

- Discrete Mathematics, Introduction to Software Engineering, Soft Skill Communication
- Data Structure, Object Oriented Concepts
- Algorithm Analysis, Theory of Computation, Numerical Analysis for Engineers, Computer Networks
- Software Requirements Spec. and Analysis, Information Security, Database Management System
- Data Science and Analytics, Design Pattern, Web Technology, Professional Ethics for Information Systems
- Software Testing and Quality Assurance, Software Metrics, Software Design and Architecture, Software Security, Distributed Systems, Artificial Intelligence

Language

Bangla	: Native
English	: Fluent
Hindi	: Intermediate

Personal Information

Name	: Md. Al-Amin
Father's Name	: Md. Abdul Mannan
Mother's Name	: Hasna Hena
Date of Birth	: November 7, 1999
Nationality	: Bangladeshi
Blood Group	: B+
Marital Status	: Unmarried
Present Address	: 324, Elephant Road, Dhaka-1205
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References

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Signature