

Oindrila Saha Badhan

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Professional Summary

I am a Computer Science graduate interested in both backend and frontend development. I enjoy solving problems and use **C++** to solve challenges on various online judging platforms. With great communication skills, I work well with team members. With my mix of technical skills and easy communication I can make myself a valuable team member.

Education

Ahsanullah University of Science and Technology

December 2023

Dhaka, Bangladesh

Bachelor of Science in Computer Science (GPA: 3.20 / 4.00)

Relevant Coursework: Data Structures (C++), Algorithms (C++), Object Oriented Programming (Java), Pattern Recognition (Python), Soft Computing(Python),Database Management System(MySql),Software Development lab(Asp.Net ,Php,JavaScript).

Holy Cross College

HSC 2018

Kamrunnesa Govt Girls High School

2009-2015

Stood 11th in PSC Talentpool scholarship
in Sutrapur Thana

2010

Projects

[University Management System\(UniCentral\)](#) || Java
Swing, Mysql,Jframe,Java 8

A centralized platform for academic and administrative management system.

This application provides following features:

- Admin Login
- Student and teacher details Add,Update
- Exam and Marks Management
- Perform all essential calculations with calculator access
- Search Functionality
- Inventory Management
- Generate and print reports

[Art Gallery Management System](#) || Java Swing,
Mysql,Jframe,Java 8

The main aim of this project is to manage an Art store efficiently with a database system through desktop based application .

This application provides following features:

- Admin Login
- Art Products Database
- Search Functionality based on Art name or Artist name
- Different genre management
- Employee Details management
- Placing Order
- Receipt Storage & Printing

[Personal Portfolio](#) | *HTML, CSS, JS*

The Website was implemented using Visual Studio Code. This personal portfolio is a showcase of my skills, education, and projects, built using HTML, CSS, and JavaScript.

- Showcases Project
- Connects social accounts
- Different Section ; Skills, Experience, Education
- User Friendly Representation

[Virtual Assistant](#) | *Python, Tkinter*

AI Desktop Virtual Assistant

- Responds to voice commands
- User-friendly graphical interface
- AI-enhanced speech recognition
- Can Provide weather Information if asked
- Responds with voice

[A Weather Application](#) | *Python, WeatherAPI*

- Developed using Weather API to fetch weather information
- The mobile application home page displays temperature in Celsius , Weather Description in details, Current Location ,Image according to weather , the weather of any place can be known by searching the location in the bar.

[E-Learning Academy](#) | *HTML, CSS, JS*

Online Platform for learning which provides different courses for users.

- Sign Up/Login
- User-friendly graphical interface
- Genre wise Course Showcasing
- Light/Dark Theme
- User Dashboard
- User Reviews Section
- Home Page
- Instructor Details Section

Technical Skills

Languages: Java, C++, C, C#, Python, JavaScript, HTML, CSS, SQL,

Technologies & Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, Numpy, jQuery, Bootstrap, Android SDK, ASP.NET (.NET Core, MVC), Node.js, Django, Bootstrap

DevOps and API Tools: Git, VS Code, NetBeans IDE, Google Colab, Android Studio, API

Concepts: Data Structure and Algorithms, Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Connection, software testing and QA

Soft Skills

Communication, English Fluency, Problem-Solving, Teamwork, Adaptability, Time Management, Attention to Detail, Critical Thinking, Creativity, Leadership skill

Research Work

"A Machine Learning Approach to Extract Emotion from Bengali Text"(under review)
using NLP, TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, Numpy libraries .

Experience

Tutored Multiple students to code in python ,c,c++.

Participation

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| · Participated in Aust Intra Software exhibition | 2022 |
| · Participated in Intra Aust Programming Contest -solved 2 problems | 2019 |

Extracurricular Activities

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| · Member of Holy Cross College debating club
2017 | |
| · Member of Holy Cross College English Language Club
2017 | |
| · General Member of AUST Innovation and Design Club and
AUST Programming Club | 2019 - 2023 |
| · Volunteer Data Collector in a Research Project of Lecturers' | 2022 |
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