Akib Mahmud Nihal

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EDUCATION

KUET
BSc in Computer Science
2024 | Khulna, Bangladesh
Cum. GPA: 3.63 / 4.0

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithm
Operating Systems
Artificial Intelligence
Machine Learning
Android apps development
Structured and Object Oriented
Programming
Web Laboratory
Computer Networks
Unix Tools and Scripting

SKILLS

- C++
- MERN (basic)
- ASP.NET (basic)
- SQL
- Python, Java

INTERESTS

• Coding • Chess • Technologies •
Gaming

PROJECTS

| MERN PROJECT
Euphony: Song recommending and playing website
- Implemented machine learning algorithms including decision trees and cosine similarity, emotion detection from text analysis
- Utilized MERN stack for web development
- Incorporated Python for backend ML processes
- Designed three recommendation methods: user similarity, text-to-emotion, and weather-to-emotion

| ASP.NET PROJECT
JobsHive: Job searching, applying, and hiring website
- Developed a job search and recruitment website using ASP.NET framework
- Implemented MVC architecture for code organization and scalability
- Integrated features for job posting, application submission, and Deadline etc.

| ANDROID PROJECT
VideoPlayer: Feature-rich video player application

- Utilized Android SDK and Java programming language to create a versatile video player
- Implemented advanced playback functionalities, including various controls and subtitle support

| PYTHON PROJECT
QuoridorAI: Intelligent board game with AI opponent

- Programmed an AI-powered Quoridor game featuring player vs. AI gameplay
- Implemented Alpha-Beta pruning algorithm for efficient game tree search
- Incorporated genetic algorithms to optimize AI strategy and enhance gameplay challenge

| DATABASE PROJECT
Medical Management System

- Designed and implemented a medical management system using SQL

COMPETITIVE PROGRAMMING

- Specialist at Codeforces (Max Rating **1461**)
- Solved **1000+** problems on multiple Online Judges
- Participated in **100+** Programming Contests.
- **Ranked 36th** at Khulna Regional IUPC 2024 ☑