MD Fardin Jaman Aranyak

B.Sc in Computer Science and Engineering

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About Me I am a recent graduate with a Bachelor's degree in Computer Science & Engineering. During my studies, I undertook several projects in the software development lab that honed my skills in developing applications from concept to deployment.

Objective

To achieve a dynamic and challenging job where I can use my technical skills, creativity, and learning experience to develop my career and contribute to the organization's welfare.

Education

B.Sc in CSE, Ahsanullah University of Science and Technology, Dhaka
2019 - 2024
CGPA: 2.849/4.0
HSC, Joypurhat Govt Collage, Joypurhat
2019
GPA: 4.83/5.00
SSC, R.B Govt High School, Joypurhat
2017
GPA: 5.00/5.00

Projects

Helping Hand   **Source Code**

- project titled "Helping Hand" is a Help/Service sharing app. This project is developed in Android Studio 2022.1.1 and the Online database Firebase. This app mainly focuses on basic functions of requesting help or service from any place.(Kotlin, Firebase)

Railway-E-Ticketing   **Source Code**

- Railway E-Ticketing is a service from which passengers can easily process their train ticket reservation & the administration of train service can easily control their time schedule and update the current train list. (ASP.NET MVC)

UART Programming   **Source Code**

- Established data communication between two Arduinos using the AVR microcontroller's registers UDR0, UCSR0A, UCSR0B, and UBRR0, which are utilized for serial communication on the Arduino platform(C/C++)

A Comparative Analysis for Trash Classification   **Source Code**

- Utilizing deep learning models like EfficientNetB0, VGG16, VGG19, and DenseNet121, this study pioneers a shift towards automated waste classification. EfficientNetB0 emerges as the frontrunner, boasting an impressive 81% accuracy on TrashNet dataset. These findings underscore the transformative potential of deep learning in enhancing waste management practices for a more sustainable future.(Deep Learning)

Thesis

Title: A Study on Benchmark Datasets for Human Disease Genes
Abstract: Proficient in researching and analyzing gene-disease associations, with a focus on benchmark datasets such as DisGeNet, OMIM, CTD, and GWAS. Experienced in utilizing genomic data extraction tools like PubTator, BeFree, BioBERT, and MetaMap. Skilled in evaluating machine learning models, including Decision Trees, Random Forests, SVMs, and KNN, for genetic data analysis. Passionate about advancing research in the field of gene-disease associations.

Technical Skills

Languages: C#, C/C++, Python, Kotlin, Java, JavaScript.
Frameworks: ASP.NET MVC, Java-Swing, Entity framework.
Front-end: HTML, CSS, Bootstrap, Razor Pages.
Databases: MS SQL Server, MySQL, Firebase.
Developer Tools: Visual Studio, VS Code, Android Studio, GitHub.
Soft Skills: Time Management, Teamwork, Problem Solving.
Other Skills: LaTeX, Arduino Uno.

Algorithmic Competitions/Achievements

- **[8th] AUST CSE Carnival 1.0: IAPC, Spring 2022, Team: AUST SomethingElse**
  Standings

- **[17th] CodeCombat 1.0: IAPC, Fall 2022, Team: AUST SomethingElse**
  Standings

- **[28th] CodeClash21: IAPC, Fall 2021, Team: AUST Noobs**
  Standings

Volunteering

AUST IUPC
By AUST Programming and Informatics Club.

INTERESTS

Python Development, Data Analysis, Database-Management, Photography, Travelling, E-sports.

Personal Development And Course

- **Solved 250+ problems in various online judges.**

- **Web Development with Python & Django— Creative IT (Ongoing)**

- **Full Stack Web Development with Python, Django & React—Ostad (Ongoing)**

- Programming for Everybody (Getting Started with Python)—Coursera

- Improve Business Performance with Google Forms—Coursera

References

Dr. S.M.A. Al-Mamun
Department Of CSE, AUST
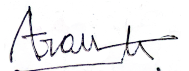📞 +880 1912-073524
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Declaration

I hereby declare that the above statements are true and correct to the best of my knowledge and belief.

Signature