

JARIN TASNIM KHAN KASHFEE



Personal info

+880 1727838483
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Uttara, Dhaka, Bangladesh

Links

/jarinkhan
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Skills

Python, C++, PHP, Javascript, MySQL
HTML, CSS, \LaTeX
Office, Adobe Acrobat
Linux, Windows, MacOS
Teamwork, Communication, Interpersonal skills

Certifications

Intelligent Machining Link
AI For Everyone Link
Positive Psychology Link
Data Analysis with Python Link

EDUCATION

Bachelor of Science in Computer Science and Engineering (CSE)

BRAC UNIVERSITY JANUARY 2020 – JANUARY 2024
Grade: CGPA 3.54 out of 4

HSC, Science

MILESTONE SCHOOL AND COLLEGE 2019
Grade: GPA 5 out of 5

SSC, Science

MILESTONE SCHOOL AND COLLEGE 2017
Grade: GPA 5 out of 5

RESEARCH WORK

Thesis on - **An Investigation on Implementations of Theoretical Whitebox Cryptographic Solutions.**

[Research work](#)

EXPERIENCES

Differential Privacy

Designed privacy-preserving data analysis algorithms to enable statistical queries on sensitive user information databases while preserving individual anonymity and minimizing exposure risks through the application of formal privacy guarantees as detailed in the project report.

[Project Report](#) , [Project Link](#)

Papapia Shop

Led end-to-end development of a web-based shopping cart application called Papapia Shop that facilitated core e-commerce workflows spanning catalog management, purchase transactions, inventory, and shipment processing as part of the Software Engineering course project.

[Project Link](#)

Credit Data

Created machine learning pipelines for classifying credit risks as high or low risk through the application of Random Forest and SVM techniques on public banking credit datasets.

[Project Link](#)

Computer Security

Designed and implemented confidentiality, integrity, and authentication capabilities for secure file transmission between parties, using AES-128-bit symmetric key cryptography for encryption/decryption of files.

[Project Link](#)

Data Analysis with Python

Completed a comprehensive project focusing on data analysis using Python programming language. Developed Python scripts to perform statistical analysis, manipulate datasets, and visualize data effectively. Utilized libraries such as NumPy, Pandas, Matplotlib, and Seaborn to analyze data and generate insightful visualizations.

[Project Link](#)

Exploratory Data Analysis

Build a project utilizing Pandas for data manipulation, NumPy for numerical computations, and Matplotlib with Seaborn for insightful plotting using roller coasters datasets. This combination enabled comprehensive Explanatory Data Analysis (EDA), unveiling patterns and trends within datasets, and facilitating informed decision-making based on data-driven insights.

[Project Link](#)

CO-CURRICULAR ACTIVITIES

- AUST Rover Challenge Powered by ISPAHANI 2022
Created a LINE FOLLOWER ROBOT (LFR)
- TRACTION organized by Robotics Club of Brac University
PROGRAMMING CONTEST
Participant
- Milestone School and College
Former College Captain, Active Volunteer
- Milestone School Science Fair
Created a portable AIR COOLER that is convenient to provide temporary flexible cooling solution

REFERENCE

- **Dr. Muhammad Nur Yanhaona**
Associate Professor
Department of Computer Science and Engineering
Brac University
✉ nur.yanhaona@bracu.ac.bd

Languages

- 🇬🇧 Bangla (Fluent)
- 🇬🇧 English (Fluent)
- 🇮🇳 Hindi (Advanced)