KHALID BIN SHAFIQ

Data Scientist | Software Engineer | Web Developer

I am a Computer Science graduate with experience in artificial intelligence, software engineering and web development. I am an aspiring Data Scientist and a tech enthusiast with problem-solving skills and have a robust experience in designing and developing software and web applications.

PERSONAL INFO

Name:	Khalid Bin Shafiq	**Religion:**	Islam
Father's Name:	Md. Shafiqul Islam	**Marital Status:**	Unmarried
Mother's Name:	Kaniz Fatema	**Blood Group:**	A+(ve)
Date of Birth:	28th March, 1999	**Present Address:**	House 63, Road 4, Block D, Bashundhara R/A, Dhaka, 1229
Age:	24 y/o		
Nationality:	Bangladeshi	**Permanent Address:**	Village: Parnanduali, District: Magura, Bangladesh
Contact:	+8801766468180		
E-Mail:	kbsbrinto@gmail.com	**LinkedIn Profile:**	www.linkedin.com/in/khalid-bin-shafiq

EDUCATION

DEGREE TITLE	INSTITUTION	RESULT	PASSING YEAR
B.Sc. in Computer Science & Engineering	North South University	3.54(out of 4.00) Honorable Distinction: CUM LAUDE	2023
HSC	Milestone School & College	4.83	2018
SSC	Milestone School & College	4.89	2016

SKILLS

- **Programming Languages**

  C/C++, JAVA, Python, JavaScript, HTML/CSS, PHP, SQL, Fortran

- **Frameworks/Tools**

  Node JS, Next JS, React JS, Django, Flask, PyTorch, Bootstrap, Tailwind, Strapi CMS, Photoshop, Illustrator, Premiere Pro, Canva, MS Word, MS PowerPoint, MS Excel, GitHub, Trello

- **Communication skills**

  Fluent in written and spoken English along with Bangla

- **Leadership Skills**

  Experienced in leading a team as well as mentoring in order to maintain smooth workflow. Also, a good team worker.

WORK EXPERIENCE

Web Group Coordinator

Organization: NSU ACM Student Chapter – Web Group
From March 2022

- Coordinate and administrate the team

- Maintain the Website (https://nsusc.acm.org)

- Work on updates and handle technical issues

Web Team In-charge

Organization: NSU ACM Student Chapter – Web Team
From June 2021 to March 2022

- Coordinate and lead the team

- Maintain the Website (https://nsusc.acm.org)

- Handle Technical Issues

Web Developer

Organization: NSU ACM SC – Web Team
From April 2021 to June 2021

- Designed and Developed website for NSU ACM SC (Frontend: HTML, CSS, Bootstrap, JavaScript. Backend: Express JS, Database: MongoDB)

- Maintain the Website (https://nsusc.acm.org)

- Optimize for better User Experience

NOTABLE ACHIEVEMENT

1. *2nd Runners-Up at NSU Innovation Challenge Season 12 and Capstone Project Showcase*

2. *Web Group Coordinator of North South University ACM Student Chapter (The Association for Computing Machinery (ACM) is a US-based international learned for computing. It was founded in 1947 and is the world's largest scientific and educational computing society.) .*

PROJECTS

Hospital Management System

January 2019

Developed a simple application that would manage all the records of doctors and patients. The application was able to create, read, update, delete all records of patients and doctors. This application was built using C programming language.

Functionalities:
- Keep track of doctor-patient interaction
- Keep records of patient's medical history
- Create, read, update, delete doctor's and patient's records

Students Portal

October 2019

Developed an application with JAVA and with the concepts of Object-Oriented Programming that would manage all the students' record and activities in an organization.

Functionalities:
- Keep track of grades
- Keep records of completed courses and ongoing courses
- Payment Gateway (prototype)
- Display class schedule

E-commerce Website

July 2021

Developed an application with JAVA and with the concepts of Object-Oriented Programming that would manage all the students' record and activities in an organization.

Functionalities:
- Display product from database according to category.
- Interactive cart system
- Realtime search system
- Buyer, Seller and Admin interface

Hometrieve – House Renting Web Application (Junior Design)

April 2022

'Hometrieve' is a web-based platform that provides a way for the users to search a house for rent and both house buyer and seller can deal under this system. The main objective of this project is to develop an online service where user can search and get their desired houses as well as lands. The user-friendly UI and mechanisms help users easily browse apartments/houses of their liking and act as a middle-man establishing connection between the buyer/tenant and the seller/landlord.

Tools: HTML, CSS, Bootstrap for frontend design. JavaScript, jQuery for responsive frontend. PHP for backend, data and request handling. MySQL for generating SQL queries, creating tables and defining relational database. XAMPP for hosting and testing webpage on localhost. Git for version controlling.

Functionalities:
- Establish a reliable and secure browsing experience and ensure actual user-to-user interaction.
- Build an online interacting interface so that both buyer and seller can deal under system virtually.
- Facilitate accommodation at the earliest for those who are looking for a place to stay near hospitals or nursing homes for medical reasons.
- Give users the best deals based on their likings and preferences by providing filter search feature.
- Make it convenient for users and save time. Users can browse thousands of options by just scrolling on couch rather than wandering around the streets and looking for places.

UniCoin – A virtual coin-based transaction management system for Universities

August 2022

UniCoin is a solution to get rid of the cash system for buying meals on campus. The objective was to develop a subscription-based digital coin system that will be used in place of the money we currently use. A digital currency system could help students significantly reduce the amount of time they waste waiting in lines for ordering foods in the canteen or purchasing books from the library.
Tools & Technologies: HTML, CSS, TailwindCSS, React JS, Next JS
Functionalities:
- Pay for items with UniCoin
- Cashless transaction
- Payment Gateway
- Buy and Renew Subscriptions

BTVITON – Bangladeshi Traditional Cloth Virtual Try-on System using Generative

Adversarial Network and Computer Vision (Capstone Project)

January 2023

We aim to build a project based on generating a full-body human pose with different clothes from a single image input from the user. This model will allow users to take pictures and choose the desired outfit which will be placed onto the picture of the user as a try-on virtually. The virtual item like dresses will be rendered onto the image and generate an output image by blending the virtual item with the real image. We will also introduce Bangladeshi dresses (e.g., Panjabi, Saree, Salwar-Kameez). It will basically create a virtual outfit try-on environment.

Tools & Technologies: Python, PyTorch, OpenCV, Generative Adversarial Network(GAN), Pose estimation, Semantic Segmentation

Work in progress for Journal Publication