

ABU BAKAR FAHAD



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SKILLS

- C 3+ yrs
- Machine Learning 1+ yrs
- Python 1+ yrs
- C++ 2+ yrs
- Linux 7+ month
- Web Development 3+ yrs
- Java 2+ yrs
- MYSQL 2+ yrs
- Digital Image Processing 5+ month
- Teaching 1+ yrs

ABOUT ME

My name is Abu Bakar Fahad. I have a strong passion for learning and I have completed my BSc in Computer Science and Engineering at United International University. I am eager to embrace new opportunities, stay updated with technological advancements, and contribute to innovative solutions for practical challenges.

EDUCATION

BSc - Computer Science & Engineering
United International University, Dhaka

2020 - 2024

Passed with **3.92 CGPA** out of **4.00**.

HSC - Science
Bangladesh Navy College, Dhaka

2016 - 2018

Passed with **4.25 GPA** out of **5.00**.

SSC - Science
Comilla Modern High School, Comilla

2011 - 2016

Passed with **5.00 GPA** out of **5.00**.

WORK EXPERIENCE

Contractual Lecturer
United International University

Jan 24 - Present

Conducting classes and evaluating students.

Intern in Software Quality Assurance
Skill Jobs

Jun 23 - Sept 2023

Test Plan, Test Case Development, Test Environment setup, Functional QA, Non-Functional QA, Testing Tools, Cross Browser testing, Postman (API Testing), UI testing, QA checklist, Selenium Testing

Grader
United International University

Jan 23 - Jan 24

Assessing students by looking at the work they do for their assignments

ACHIEVEMENTS

System Analysis and Design Lab Project Show Champion Spring 2023

United International University
3rd May 2023

ArtPatio

Scholarship Program

United International University

- Obtained 25% Scholarship in 2 Trimesters.
- Obtained 50% Scholarship in 2 Trimesters.
- Obtained 100% Scholarship in 7 Trimesters.

Undergraduate Teaching Assistant United International University

Sept 22 - Jan 24

- Assist the faculty in ensuring a smooth class experience
- Be there for students, offering help and solutions for any course-related issues
- Assess and provide feedback to students on their assignments and tasks

PROJECTS

Library Management System

GitHub

Tool: C

Efficiently manage library resources with the 'Library Management' System. Streamline book check-ins, check-outs, search, and reservations for improved accessibility and user friendliness.

Smart Super Shop using java

GitHub

Tool: Java

A smart super shop offers modern shopping with advanced technology: self-checkout, personalized suggestions, and automated inventory control for fresh products, enhancing convenience and efficiency.

Smart Agro Farm Using Arduino

GitHub

Tool: Arduino, along with various types of sensors

Smart Agro Farm uses Arduino for automated shed control, adjusting to sunlight and temperature. Rain-triggered opening collects water, alerts against intruders, and facilitates water sharing among neighbors.

IoT Enabled Street Environment in Smart City Using Arduino and Cloud

GitHub

Tool: Microsoft Azure, Arduino, along with various types of sensors

An advanced IoT-based smart city concept automates urban operations, managing traffic, controlling street lighting, and facilitating smart dustbins. These bins open automatically when approached with waste and notify collectors when full, enhancing city functionality and cleanliness.

ArtPatio Initial

GitHub

Tool: PHP, MySQL, HTML, CSS, JS

ArtPatio: Digital art gallery connecting artists and enthusiasts.

Medimart: Your ultimate automated medical companion

GitHub

Tool: Arduino, MySQL, C, PHP and 000webhost hosting

Medimart is a web-based first-aid and medication system. Doctors prescribe medicines online, stored in 'MediMart.' Patients access prescriptions, buy medications by swiping their card, and receive invoices. Automated features enhance healthcare and cleanliness.

ArtPatio

GitHub

Tool: PHP, MySQL, HTML, CSS, JS

ArtPatio: Digital art gallery connecting artists and enthusiasts. Showcase, auction, and purchase artworks. Gallery owners promote events. The ideal platform for art lovers to appreciate and connect with fine arts.

HireHub

[GitHub](#)

Tool: PHP, MySQL, HTML, CSS, JS

HireHub is a system where job seekers and employers collaborate. In this system, company managers will post their vacancies, and job seekers can apply for those jobs. However, before applying, job seekers must fulfill the company's requirements, otherwise, they will be shown tutorials to address any missing skills.

TourPlanner BD

[GitHub](#)

Tool: Django, PHP, HTML, CSS

An all in one tourist guide and booking platform revolutionizing travel experiences worldwide.

PUBLICATIONS

An IoT-and Cloud-Based E-Waste Management System for Resource Reclamation with a Data-Driven Decision-Making Process.

[MDPI IoT](#)

Status: Accepted and Published

Recyclable Waste Image Classification using Convolutional Neural Networks

[ICCIT](#)

Status: Accepted and Published

Thought Scope: Human cognitive thinking classification from eye position using Deep learning and Digital image processing

[ICCIT](#)

Status: Accepted and Published

WORKSHOPS

C programming for beginners organized by App Forum

[C](#)

Web Development for Beginners organized by App Forum

[HTML, CSS](#)

Web Development organized by LEDP

[HTML, CSS, JS](#)

Graphics Design organized by LEDP

[Adobe Illustrator](#)

CLUB

- UIU Cultural Club
- UIU Robotics Club
- App Forum

HIGHLIGHTS OF QUALIFICATIONS

- Proficient in core CSE courses

RESEARCH INTERESTS

- **Artificial Intelligent**
- **Machine Learning**
- **Natural Language Processing (NLP)**
- **Computer Networking**
- **Digital Image Processing**

PERSONAL INFORMATION

- **Name** : Abu Bakar Fahad.
- **Father's Name** : Md. Sirazul Haque.
- **Mother's Name** : Parul Akter.
- **Date of Birth** : 12th August, 2000.
- **Marital Status** : Unmarried.
- **Nationality** : Bangladeshi (by Birth).
- **Religion** : Islam.
- **Blood Group** : A (+ve).
- **Gender** : Male.
- **Permanent Address** : Vill: Noagown, P.O: Joag, Upazilla: Chandina, Zilla: Cumilla.

REFERENCE

- **Prof. Dr. Mohammad Nurul Huda**
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