

# S M ASIF ANAM



*Certified PHP Engineer / Data Scraping Expert  
Automation Engineer / Cybersecurity Specialist  
cPanel/WHM Expert / PHP, Python, JavaScript, MySQL  
Dedicated to Building Secure Ecosystems*

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## Profile

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As an experienced Automation Engineer and Data Scraping Expert, I specialize in building secure, scalable systems and developing automation solutions. With expertise in scraping data from platforms like Walmart, HP, and Amazon, I excel at overcoming challenges like CAPTCHAs and anti-bot measures. My background as a Certified PHP Engineer and Cybersecurity Specialist allows me to create reliable, secure web applications while optimizing performance. Skilled in PHP, Python, JavaScript, and MySQL, I am seeking a full-time position to contribute my skills to innovative projects that drive technological advancements.

## Professional Experience

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01/2019 – 12/2022  
Khulna, Bangladesh

### Research Assistantships

*Khulna University of Engineering & Technology (KUET)*

During my Bachelor's in Building Engineering and Construction Management, I focused on integrating Information Technology (IT) and automation into the civil engineering field. I worked on key projects like a UGC-funded safety monitoring system for construction and contributed to a pioneering journal on construction automation. My work in Building Information Modeling (BIM) and advanced NFC/RFID systems led to the development and patenting of the Anti-cloneable NFC/RFID card, showcasing my ability to innovate at the intersection of civil engineering, technology, and security.

Skills: MySQL, Automation Engineering, Python, Machine Learning, Arduino, PHP

01/2020 – 02/2025  
California, USA

### Web Developer

*Upwork Inc.*

As a highly experienced professional with a proven track record of 100% job success, I specialize in back-end development and CMS development, bringing a wealth of knowledge and expertise to every project. With over \$9K in total earnings, 14 completed jobs, and 718 hours worked, I am dedicated to delivering high-quality solutions tailored to meet client needs. My objective is to continue building strong, lasting relationships with clients by providing exceptional services in back-end development, ensuring reliability, performance, and seamless integration for all projects. I am committed to maintaining a high standard of excellence and contributing to the success of every project I undertake on Upwork.

Skills: PHP, JavaScript, HTML5, CSS, Python

09/2024 – 02/2025  
Depot CI, Singapore

**Python Instructor**

*Hewlett-Packard Company*

As an instructor specializing in advanced data scraping with Python, my objective is to equip Quality Control Engineers at HP with the practical skills and knowledge required to extract, analyze, and utilize data effectively. I aim to provide comprehensive, hands-on training that empowers employees to leverage Python-based scraping techniques to automate data collection, streamline quality control processes, and enhance overall operational efficiency. Through this training, I seek to foster a deep understanding of data-driven decision-making, enabling HP employees to optimize quality control practices and drive continuous improvements in product quality.

Skills: PHP, Python, Data Scrapping, API development, Burp Suite

07/2024 – Present  
Dhaka, Bangladesh

**Chief Technology Officer**

*Delta Cyber Security Limited*

As a highly skilled professional with expertise in NFC/RFID technology and security systems, my objective is to contribute to the advancement of secure payment, access control, and identification solutions. With a strong background in developing and patenting innovative technologies, such as the Anti-cloneable NFC/RFID Card (Patent Application Number: 63/792,437), I am eager to apply my knowledge in designing cutting-edge security systems to prevent unauthorized cloning and fraud. I aim to utilize my skills in communication chip integration, secure data transmission, and real-world testing to enhance the reliability and safety of various applications, including payment systems, access control, and government-issued identification cards. Seeking a challenging role where I can further innovate and drive the adoption of secure technologies in global markets.

**Education**

Skills: IoT, Algorithm design, PHP Python, Arduino, Nmap, Metasploit, Wireshark

07/2016 – 12/2022  
Khulna, Bangladesh

**Building Engineering and Construction Management (BECM)**

*Khulna University of Engineering & Technology (KUET)*

As a student of Building Engineering and Construction Management (BECM) at Khulna University of Engineering & Technology (KUET), I have developed a strong interest in integrating Information Technology (IT) and Automation within the civil engineering domain. Throughout my academic journey, I have discovered the powerful connection between civil engineering principles and IT, which has further fueled my passion for automation in construction. I have applied my knowledge in various projects, including a UGC-funded project, and contributed to the field through my work on the world's first journal on construction automation. Additionally, I have also applied for a patent for an advanced Anti-cloneable NFC/RFID card. My goal is to continue exploring and pioneering innovative solutions that combine civil engineering with IT and automation, contributing to the advancement of both fields.

Skills: Leadership, Time management, Automation in Construction, IT in Construction

**Skills**

Python

HTML, CSS, JavaScript

Arduino

● ● ● ● ●

PHP

● ● ● ● ●

● ● ● ● ●

C++

● ● ● ● ●

● ● ● ● ●

Digital Electronics

● ● ● ● ●

**Languages**

**English**

Duolingo English Test (DET): Overall 125 | Literacy 125 | Comprehension 130 | Conversation 110 | Production 100

**Bangla**

Native

## Projects

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### **Ecommerce Data Scrapping with advanced techniques**

*Advance Data Scrapping*

This repository contains a data scraping project designed to collect data from various **ecommerce websites** such as **Amazon, Walmart, HP, Best Buy**, and more.

The scraping system is built with advanced techniques to bypass CAPTCHAs and handle anti-bot measures, ensuring reliable and seamless data extraction.

### **Movie Server API with Data scrapping**

*Data Scrapping Movie site API*

This is a PHP script that uses cURL to send a search request to an external API, retrieve HTML content from the response, extract links, and further retrieve metadata from those links, such as thumbnail and video URLs.

### **Dynamic Website with PHP, MySQL, HTML, CSS, and Bootstrap**

*Company website framework*

This project is a dynamic website built using PHP, MySQL, HTML, CSS, and Bootstrap. It allows users to interact with the website by storing and retrieving data from a MySQL database. The website features a responsive design, user authentication, and basic content management.

### **My Personal Profile Showcase**

*Advance UI for personal profile showcase*

Welcome to my personal profile showcase! This is a simple webpage designed using HTML, CSS, and Bootstrap to showcase my personal projects and skills.

### **Civil-Engineering-Website**

*Customizable dynamic website*

This project is a dynamic website built using PHP, MySQL, HTML, CSS, and Bootstrap. It allows users to interact with the website by storing and retrieving data from a MySQL database. The website features a responsive design, user authentication, and basic content management.

### **Custom Search Engine**

*Google based Custom Search Engine*

**Responsive Design:** Built with Bootstrap, ensuring that the search engine is responsive and works well on various devices.

**Customizable Interface:** Easily customizable styles using CSS to match your branding or preferred design.

**Simple Search Functionality:** Implemented basic search logic to allow searching content with ease.

### **Decode infrared data of any digital electronics and predict the next data with Machine learning**

Decoding infrared data and extracting relevant information. Prediction of unmeasured infrared signals.

**Microcontroller Based live wire's Voltage and Frequency Measurement** Measurement of the actual voltage and frequency of live wire. Provides real-time monitoring and data acquisition.

### **Preparing Solar tracker with light weight electronics**

Using ESP8266 and a custom motor controller a solar tracker. Wirelessly controlled and debugging interfaces were prepared.

### **University Grants Commission of Bangladesh (UGC) Funded Project titled "BIM-based smart safety monitoring system using a mobile app"**

Real-time worker monitoring system. Automatically alert workers when fall in a hazardous place.

## Awards

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Champion in Regional Mathematical Olympiad – 2010

Bangladesh Government Scholarship in Junior School Certificate (JSC), Secondary School Certificate (SSC) Exam – 2013

Champion in Programming Contest, Inter-college Programming, Dhaka, Bangladesh – 2014

Champion in Technical Writing, BUILTECH FEST 4.0 – 2018

Champion in Poster Presentation, BUILTECH FEST 4.0 – 2018

Champion in Bug Bounty, Regional Cyber Security Club, Sirajganj, Bangladesh – 2020

## Publications

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Hossain, M. M., Ahmed, S., Anam, S. A., Baxramovna, I. A., Meem, T. I., Sobuz, M. H. R., & Haq, I. (2023). BIM-based smart safety monitoring system using a mobile app: a case study in an ongoing construction site. *Construction Innovation*. doi: 10.1108/CI-11-2022-0296

Safayet, M. A., Rahman, M., & Anam, S. A. (2021). Development of building information modeling (BIM)-based real-time fire alert system to reduce fire impact in Bangladesh. *Jordan Journal of Civil Engineering*, Volume 15, No. 3, 2021.

Ahmed, S., Haq, I., & Anam, S. A. (2022). Impacts of COVID-19 on the construction sector in the least developed countries. *International Journal of Building Pathology and Adaptation*. doi.org/10.1108/IJBPA-04-2022-0059

S. M. Asif Anam and Md. Habibur Rahman Sobuz (2024), Development of a cloud-based wireless temperature monitoring system of concrete blocks and its impact on RC members, Elsevier Edition

Md. Habibur Rahman Sobuz, Sawon Ali, S. M. Asif Anam and Jannat Ara Jabin (2024), Comprehensive Sensors based Non-destructive test Investigation of normal weight and lightweight concrete: Experimental and machine learning Approach, Case Studies in Construction, Elsevier Edition

Md. Habibur Rahman Sobuz, Jannat Ara Jabin, Jawad Ashraf, S. M. Asif Anam and Tanvir Rahman Rifat (2024), Fresh, mechanical and machine learning evaluation of concrete incorporating recycled coarse aggregate as partial replacement of natural coarse aggregate and fly ash, *Journal of Building Pathology and Rehabilitation*, Springer Link

## References

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**Md. Abu Safayet**, *Assistant Professor*, Khulna University of Engineering & Technology  
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**Md. Mehrab Hossain**, *Assistant Professor*, Khulna University of Engineering & Technology  
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## Declaration

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I hereby declare that the information provided in this CV is accurate and true to the best of my knowledge and belief. I understand that any false or misleading information may lead to the disqualification of my application or termination of employment, if discovered later. I am fully committed to performing to the best of my abilities and contributing positively to the organization I am a part of.



**S M ASIF ANAM**

10-01-2025