



# Apurba Halder

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## ABOUT ME

My name is Apurba Halder. I am 23 years old. I have completed my B.Sc. Engineering in Computer Science and Engineering, with Artificial Intelligence as my major. I chose AI because I believe it is the future. Machine Learning has always been a fascinating subject for me because it handles the hard work when given the correct data, and data is everything in this rapidly changing world. Everything depends on data. I am currently learning data science and working on a deep learning project.

## WORK EXPERIENCE

11 MAR 2024 – 13 DEC 2024 Dhaka, Bangladesh  
**HEALTH CARE EXPERT** VAMED BANGLADESH TECHNOLOGIES PVT LTD (SEEKMED)

- Data Management & Excel Work.
- Assisted patients with medical documentation and hospital procedures.
- Managed 60 patient leads daily in Excel.
- Maintained relationships with multiple hospitals.

**Business or Sector** Human health and social work activities | **Email** [help@seekmed.care](mailto:help@seekmed.care) | **Website** [www.seekmed.care](http://www.seekmed.care)

**Link** <https://drive.google.com/drive/folders/1L4ptuD2VQKQQAxl7V-EuCdhoQwdwQLAE?usp=sharing>

## EDUCATION AND TRAINING

28 FEB 2025 – CURRENT Dhaka, Bangladesh  
**POST GRADUATE DIPLOMA** United International University

**Website** <https://iber.uiu.ac.bd/course/pgdds/> | **Field of study** Data Science

2020 – 2024 Rupnagar, Dhaka, Bangladesh  
**BACHELOR OF SCIENCE IN ENGINEERING** Bangladesh University of Business and Technology

**Website** <https://www.bubt.edu.bd/> | **Field of study** Computer Science and Engineering | **Final grade** 3.36 out of 4.00

2019 Dhaka, Bangladesh  
**HIGHER SECONDARY CERTIFICATE** Shaheed Police Smrity College

**Website** <https://www.spsc.edu.bd/> | **Field of study** Science | **Final grade** 4.08 out of 5.00

2017 Shewrapara, Dhaka, Bangladesh  
**SECONDARY SCHOOL CERTIFICATE** Monipur Uchcha Vidyalaya and College

**Website** <https://mubc.edu.bd/> | **Field of study** Science | **Final grade** 5.00 out of 5.00

## LANGUAGE SKILLS

Mother tongue(s): **BANGLA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

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### **Programming Language**

Python | JavaScript | C

### **Frameworks / Libraries**

NumPy | Pandas | Matplotlib | Tensorflow | Scikit-Learn

### **Frontend**

HTML | CSS | Tailwind CSS | daisyUI | React

### **Backend**

Node.js

## ● **WORKSHOP**

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22 FEB 2025 – 22 FEB 2025

### **AI Career Management: Skills, Trends and Opportunities**

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Attended a workshop by Mohammad Mahdee-uz Zaman on emerging AI job roles like Agentic AI and Prompt Engineering, industry trends, and future AI career opportunities.

## ● **PUBLICATIONS**

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2023

### **[An IoT-Based Integrated Solution for Fire Detection Alarm System and Water Supply Management](#)**

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Fire detection plays a crucial role in human lives as urban areas experience a continuous rise in population, buildings, and industrial activities. In the event of a fire accident, the situation can deteriorate rapidly. Hence, the implementation of a fire detection system has become indispensable in everyone's daily lives. This is the primary motivation behind the development of this system. In this paper, the system is introduced, which effectively detects fire incidents, triggers an alarm through Internet of Things (IoT) networks, and simultaneously activates the water pump for the water supply. Additionally, it provides timely notifications to users through their personal IoT devices. The system utilizes uncomplicated sensors and motors to control its operations and employs a relay switch for water motor functionality. Fire detection is achieved through the use of a flame sensor. Notably, integrating a Telegram application efficiently facilitates the notification management system. This implemented system is designed to be simple, cost-effective, and user-friendly. To assess performance, a thorough analysis is conducted by employing practical equipment and comparing it with existing systems, demonstrating the superior capabilities of the proposed model.

M. Arefin et al., (ICICT4SD), 2023, pp. 357-361, doi: 10.1109/ICICT4SD59951.2023.10303496.

Link [10.1109/ICICT4SD59951.2023.10303496](https://doi.org/10.1109/ICICT4SD59951.2023.10303496)

## ● **PROJECTS**

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1 FEB 2023 – 15 FEB 2024

### **Potato Disease Classification of Leaves Using Deep Learning**

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Agricultural productivity stands as a cornerstone for global food security, making the early detection and precise identification of plant diseases an imperative pursuit. Among various crops, the potato holds substantial importance worldwide, serving as a staple in diets across cultures. Leveraging a subset of 3000 meticulously curated images from the expansive Kaggle dataset comprising a diverse representation of three distinct classes: "Potato Early Blight," "Potato Late Blight," and "Potato Healthy" this study embarks on a comprehensive exploration into the realm of deep learning models for the precise classification of potato leaf diseases.

Link <https://github.com/Apurba1903/Potato-Disease-Classification-of-Leaves-using-Deep-Learning>

### **Tea House - Web Development Project**

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Tea House is a modern and elegant tea shop website featuring a beautifully designed UI with smooth animations and responsive layouts. It showcases a variety of premium teas, highlights customer testimonials, and provides easy navigation for a seamless user experience.

Link <https://apurba1903.github.io/tea-house/>

### **Penguin Fashion - Web Development Project**

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Penguin Fashion is a sleek and responsive e-commerce website showcasing trendy clothing with a clean and modern design. It features stylish product displays, smooth navigation, and a user-friendly layout for an enhanced shopping experience. Perfect for fashion enthusiasts looking for a visually appealing online store.

Link <https://apurba1903.github.io/Penguin-Fashion/>

## **Fruit Brust - Web Development Project**

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Fruit Brust is a vibrant and engaging website featuring a fresh fruit marketplace. It offers a visually appealing design with bright colors, smooth navigation, and a responsive layout. The site enhances the user experience with an intuitive interface for browsing fruit selections.

**Link** <https://apurba1903.github.io/Fruit-Brust-Frontend/>

## **Biker Zone - Web Development Project**

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Biker Zone is a sleek and modern website designed for motorcycle enthusiasts. It showcases stylish bike collections, key features, and pricing with a clean, user-friendly interface. The bold design and responsive layout ensure an engaging browsing experience.

**Link** <https://apurba1903.github.io/Biker-Zone/>