

## Md Samsul Alam

Full-stack Web Developer



I am a full-stack web developer with a passion for solving complex problems, utilizing a diverse skill set including Python, Django, JavaScript, and React. Committed to continuously learning and staying up to date with the latest technologies and industry advancements.

## CONTACTS



### PHONE

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### ADDRESS:

Dhaka, Bangladesh



[Github Profile](#)



[Linkedin Profile](#)

## SKILLS

### PROFESSIONAL SKILL

- Programming Language:
  - Python
  - JavaScript
  - HTML, CSS, Bootstrap
- Backend Framework:
  - Django
- Frontend Framework:
  - React
- Version Control:
  - Git
  - Github
- Others: AWS, Rest Api, MySQL,

## LANGUAGES

- English
  - IELTS (7.5)
- Bangla

## PROJECTS

- Developed a website for DGA analysis using IEEE Std C57.104-2019, automating complex analysis like Duval Triangle and Rogers Ratios to determine the health condition of power transformers. ([Github Link](#))
- Created a long-term load forecasting project utilizing XGBoost algorithm and practical data collected from the National Load Dispatch Center of Bangladesh, which can accurately predict load for a full month with only  $\pm 10\%$  error. ([Github Link](#))
- Designed a personal portfolio project that includes blog options using Django, HTML, CSS, and Bootstrap. ([Github Link](#))
- Developed a fully functional blog project using Django, HTML, CSS, JavaScript and Bootstrap that includes various authorization criteria for different users, customized django-admin panel, like, comment, reply, categories, filter, and search options. ([Github Link](#))
- Currently developing a website for a math-based startup aimed at teaching mathematics to youngsters in a fun way and preparing them for math Olympiads.

## PROFESSIONAL EXPERIENCES

11/2020 To date

Sub-divisional Engineer, Research and Technical Service (RTS), PGCB.

Leading Power Transmission Company of Bangladesh

- Automate the high voltage equipment condition-based monitoring and test report analysis.
- Collaboration with ICT department to develop ERP software. [Link](#). Demo ID: [test@abc.com](mailto:test@abc.com) and Password: 123456.

02/2016 To 11/2017

Lecturer, Bangladesh University of Business and Technology (BUBT).

- I have experience teaching courses such as Discrete Mathematics, Power Electronics, Data Structures and Algorithms and leading relevant labs, with a passion for guiding students to develop a deep understanding of these subjects and helping them achieve their academic goals.

## EDUCATION

2012 – 2015

University | IUT, Dhaka

Bachelor of Science: Electrical and Computer Science Engineering (ECE).

2018 - 2019

University | University of Dhaka, Dhaka

Masters of Science: Renewable Energy Technology

## CERTIFICATIONS

- Udemy – "Hello React – React Training for JavaScript Beginners."
- Udemy – "Python OOP: Four Pillars of OOP in Python 3."
- Coursera – "Introduction to Data Science in Python."

## PUBLICATIONS

- [Voltage Performance Analysis with Integration of Utility Scale Solar PV Plant in Bangladesh National Grid.](#) 2020 IEEE Region 10 Symposium (TENSYPMP). DOI: 10.1109/TENSYPMP50017.2020. 5-7 June 2020.
- [A Study on Bangladesh Power System Fault Level Management. 2019 5th International Conference on Advances in Electrical Engineering \(ICAEE\).](#) DOI: 10.1109/ICAEE48663.2019. 26-28 Sept. 2019.

## PROBLEM SOLVING

- [Leetcode](#) – 293 Problems
- [Codeforces](#) – 46 Problems