

Sudip Sarker

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Portfolio: sudipsarker14.github.io/ | GitHub: [sudipsarker14](https://github.com/sudipsarker14) | Address : Wari, Dhaka

About me!

Hello! I am Sudip Sarker, a dedicated computer science student with expertise in Web Application Development and have a strong foundation in programming and algorithms. I am seeking opportunities to contribute to impactful projects and grow in the field of technology.

Education

Southeast University

B.Sc.in Computer Science and Engineering | CGPA: 3.77/4.00

July 2021 – June 2025

Experience

- **Junior Flutter Developer, Bdcalling IT Ltd., Betopia Group, Dhaka** June 2025 - Current
 - Developing and maintaining cross-platform mobile applications using Flutter.
 - Optimizing application performance, responsiveness, and efficiency.
 - Integrated RESTful APIs and third-party services.
- **Internship - Software Development, ITD (Business IT), Head office, Sonali Bank PLC** March 2025 - June 2025
 - Developing the Incident Response Register System project to improve the banking system.
 - Assisted in developing RESTful APIs and debugging application issues.
 - Skills - Microservices Architecture, Spring Boot, ReactJS, MySQL.
- **Research Assistant, Southeast University, Dhaka** November 2024 - March 2025
 - Conducted research on machine learning under the supervision of Mizanur Rahman.
 - Collected and analyzed data. Assisted in designing experiments, developing methodologies, or testing hypotheses.
 - Skills: Data Cleaning, Data preprocessing, Scikit learn, Python, Machine Learning.

Technical Skills

- **Programming Languages:** Python, Java, Dart
- **Framework:** Flutter, Spring Boot, React
- **Libraries:** Scikit learn, Keras, pandas, NumPy
- **Tools:** Git, GitHub, Visual Studio, IntelliJ
- **Networking:** TCP/IP, Subnetting, VLAN, Routing/Switching, Cisco packet Tracer
- **Database:** MySQL, PostgreSQL, Firebase
- **OS:** Linux, Windows
- **Others:** Proficient in MS Word/ Excel/ PowerPoint/ OneNote. Well presentation & technical writing skill. Used to both individual, team work & Multitasking.

Notable Projects

- **Incident Response Register System | React, Spring Boot, MySQL | Sonali Bank PLC**
The Incident Response Register System is a web-based application designed to log, manage, and track incident reports within Sonali Bank PLC. It helps security and IT teams respond effectively to incidents by providing a centralized platform for reporting, tracking, and resolving events.
- **E-commerce App | Dart, Flutter, Android, ios | Bdcalling IT Ltd.**
I developed the complete front-end UI of an e-commerce mobile application backend API for a feature-rich application using Flutter and RESTful services. The design focused on providing a smooth and responsive user experience.
- **Inventory Management System | HTML, CSS, JavaScript, MySQL** [Github](https://github.com/sudipsarker14/Inventory-Management-System)
Designed and developed an Inventory Management System to track stock levels. Implemented features for real-time inventory updates, automated alerts, and data analysis.

- **Medical Expenditure Prediction| Machine Learning Model | Keras, Scikit-Learn** [Github](#)
This model aims to assist individuals and insurance providers in understanding premium pricing, making informed decisions, and potentially identifying risk factors.
- **Cat and Dog Image Classification | Deep Learning Model | CNN, Keras** [Github](#)
This model aims to develop and implement a Convolutional Neural Network (CNN) model for classifying images of cats and dogs.

Publication

- Machine Learning for Breast Cancer Classification: A Comparative Study of Grid Search Optimized SVM, Random Forest, and XGBoost | 2025 IEEE International Conference on Quantum Photonics, Artificial Intelligence, and Networking

Certifications

- **Duke University:** Data Science Math Skills course offered through Coursera.
- **Bangladesh Skill Development Institute:** Workshop on Corporate Communication organized by CPDS.
- **IBM SkillsBuild:** CSRBOX Turning Data into Decisions using Python 2024-2025
- **LinkedIn Learning:** Learning Data Analytics: 1 Foundations.
- **Pantech Prolabs India Pvt Ltd:** AI Master Class (30 Days).
- **Cisco Network Academy:** Introduction to Data Science.
- **Great Learning Academy:** Python Libraries for Machine Learning.

Award

- Merit Scholarship from Southeast University.

Voluntary Work

- Youth Officer at International leadership Education Program 2022 organized by GEIST foundation & US Embassy.

Activities

- **Youth Officer:** International leadership Education Program 2022.
- **Member:** GEIST Foundation.
- **Department Representative:** Southeast Model United Nations Club.

Language Proficiency

- **Bangali:** Mother tongue
- **English:** Fluent

References

Md. Mijanur Rahman

Assistant Professor

Department of CSE, SEU

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Shahriar Manzoor

Associate Professor & Chairman

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