

# Prosenjit Mondol (Prosen)

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🐙 Github Profile: [Prosenjit-Mondol](#)

🌐 LinkedIn Profile: [prosenjit-mondol](#)

👤 Portfolio: [prosenjit-mondol.github.io](#)

## OBJECTIVE

AI-powered and real-time IoT applications. Skilled in Python, php, Laravel and frameworks. Seeking to apply cutting-edge technology to solve complex problems and contribute to impactful projects.

## TECHNICAL STRENGTHS

### Domain Expertise

No-Skills

### Programming Languages

Python, C++, JavaScript, Java, PHP, C

### ML Framework / Package

Laravel

### Database

MySQL

### Miscellaneous Tools

Git, Github, Latex

## EXPERIENCES

### Internet of Things (IoT)

🔗 [View Project](#)

#### Smart Vacuum Cleaner

Microcontroller/Processor, Sensors, Connectivity, Cloud/Server, Software & Programming

- The application is used to initiate the robot. The navigation of the robot is according to the help of sensors it detects and avoids obstacles. To save the time of the people the smart vacuum cleaner helps to clean the surface of the floor without any human intervention.

## COMPETITIVE PROGRAMMING

HackerRank - [prosenjit1156](#) CodeForces - [prosenjit\\_mondol](#) LeetCode - [prosenjit\\_mondol](#) Beecrowd - [Prosenjit](#)

- Solved over 1000+ problems across multiple competitive programming platforms, honing expertise in algorithms, data structures, and problem-solving techniques.
- 3rd Position in PSTU IT Carnival Programming Contest.
- Participant in ICPC Dhaka Regional Preliminary 2023, 2024
- Participant in BitFest KUET, 2024

## PROJECTS

### Graph-Visualizations

🔗 [Git Repository](#) OR ↗ [View Live](#)

Graph Craft is a web-based tool for visualizing and analyzing graphs. It provides an interactive environment where users can input their graph data in the form of an adjacency matrix and instantly visualize the graph along with various analysis results.

### to-sequential (Python Package)

↗ [Package on PYPI](#)

Created a Python utility function that generates sequential data from Pandas DataFrames, reducing preprocessing time and enhancing the efficiency of machine learning model training.

## RESEARCH & PUBLICATION

## EDUCATION

B.Sc. in Engg. in Computer Science & Engineering (CSE)  
Patuakhali Science and Technology University

Session 2021-22