

# SWARNAVA GAYEN

## Software Engineer

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📍 Kolkata - India

in [LinkedIn](#)

🐙 [GitHub](#)

## EXPERIENCE

### SDE Intern

#### ITJOBXS

📅 August 2023 – March 2024 📍 Remote

- Worked on the Design and Development part of a fully responsive webpage for a particular section of ITJOBXS
- Worked on User Verification/Authentication + Engineering challenges of detecting and removing the fake bots and posts.
- Integrated Recaptcha with the website - Google Layer of Protection for websites.
- Tech Stacks: HTML, CSS, JS, Bootstrap, PHP, MySQL.

## ACHIEVEMENTS

- Contributed to 4 orgs and successfully completed all 4 PR in Hactoberfest'23
- Led a Team of 4 in Final Year Group Project and secured 3rd rank among 21 teams

## TECHNICAL SKILLS

### • Programming Languages

- C++
- C
- Python
- Javascript

### • Frameworks & Libraries

- HTML, CSS
- NumPy, Pandas, Matplotlib
- Bootstrap

### • Operating System

- Windows, Linux

### • Version Control

- Git
- Github

### • Other Tools

- PHP
- MySQL

## COURSEWORK SUBJECTS

- Operating System
- Computer Networks
- Ethical Hacking
- Object Oriented Programming
- Machine Learning and Data Analytics
- Internet of Things
- Database Management System

## EDUCATION

B.Tech. (ECE) - 8.6 CGPA

Techno Main Salt Lake, MAKAUT

📅 Aug 2020 – July 2023

Diploma (ECE) - 7.2 CGPA

Techno Main Polytechnic, WBSCTE

📅 Aug 2017 – July 2020

## PROJECTS

### Taxi Fare Prediction

- Python | NumPy | Matplotlib | Data Visualization
- Built ML model to predict fares using distance, time & location; added real-time fare UI.
- 70% model + data prep, 30% UI (boosted UX by 27%).  
[Github](#)

### IoT based Weather Station

- Pandas | Matplotlib | NumPy | ESP8266 | FC-37 Raindrop Sensor | ThingSpeak
- Built a weather monitor using NodeMCU 8266 & raindrop sensor, sent real-time data to ThingSpeak.
- 75% hardware + integration, 25% data analysis via Jupyter Notebook.  
[Github](#)

### IoT Smart Energy Meter

- ESP8266 | ESP32 | ACS712 | Arduino | MQTT | Adafruit IO | Zapier
- Built smart energy meter using NodeMCU, ACS712 & Arduino UNO; enabled real-time monitoring via Adafruit IO.
- 70% hardware + firmware, 30% cloud integration & automation (Zapier alerts).  
[Github](#)

## SKILLS AND HOBBIES

- Reading Books and Blogs on Technology and Innovation
- Comfortable Working Independently
- Multitasking and Ability to Take Initiative to Solve Problems
- Listening Music
- Photography and Exploring New Places