SWARNAVA GAYEN

Software Engineer

+91-8420322397 swarnavagayen@gmail.com Kolkata - India Portfolio 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 | ThinkSpeak**
- 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**