

Subhajit Nandi

[Github](#) | [LinkedIn](#) | [Portfolio](#) | [Leetcode](#)

Kolkata, West Bengal

+91 9830319543

subhajitnandi1343@gmail.com

EDUCATION

Netaji Subhash Engineering College, BTech – CSE 2021 - 2025

8.74 Cgpa (till 6th Sem)

Nava Nalanda High School

2019 - 2021 [WBCHSE] Higher Secondary

88.60% Overall , 91% [PCM]

2019 [WBBSE] Secondary

92.57%

EXPERIENCE

Variable Energy Cyclotron Centre (VECC)

- As a CS Research and Development Trainee
(1st March 2024 - 30th April 2024) [Certificate](#)

Tech Stack used : - Python, PyQt, MariaDB, Django, Apache, Bootstrap

- Migrated web application to **Bootstrap** within **Django**, hosted on **HTTP** and **HTTPS**, achieving **30% faster load speed** and **25% better responsiveness**.
- Developed a **Python**-based **desktop security** module with **40% higher efficiency** than the web version, ensuring **real-time threat monitoring** and **response**, including **dynamic detection** of **MAC addresses**, **IP addresses**, and **OS versions**.
- Integrated **MariaDB** for **USB registration**, executed real-time **detection** and **ejection** of unauthorized devices using **diskpart** and **WMI** commands. Implemented **USB tethering** for data security while **dynamically modifying network routes**.
- Automated startup process, deploying core functionalities as a **Windows service via NSSM** and scheduling **GUI launch** on system startup.

PROJECTS

TrendZy — Full Stack E-Commerce Website

[Code](#) [Video](#) (ReactJs, Javascript, Strapi, Stripe, Redux)

- Utilized **Strapi** for **backend content management**.
- Integrated **Stripe**, enhancing **payment** transactions security by **25%** and improving overall efficiency.
- Implemented user-friendly **filtering** and **sorting** options, resulting in a boost in overall user convenience and satisfaction.

ProfitPulse – Stock Price Predictor [Code](#)

TensorFlow (Keras), scikit-learn, pandas, NumPy, Matplotlib, yfinance

- Developed an **LSTM**-based stock price prediction model with **Keras**, achieving an **RMSE** of **4.480** on **20 years** of historical data (**5,000+ data points**).
- Preprocessed data by scaling features to a range of 0-1 using **MinMaxScaler**, and computed moving averages for **100**, **200**, and **250 days** to enhance feature quality.

MediScan – Disease Predictor (Group Project) [Code](#)

Scikit-learn, pandas, NumPy, StreamLit

- **Heart Disease**: Used **Logistic Regression** model to predict heart conditions with **87%** accuracy.
- **Diabetes**: Developed an **SVM model** achieving **80%** accuracy.
- **Parkinson's Disease**: Implemented an **SVM** model with **88%** accuracy.
- **Data Preprocessing**: Handled missing values, and normalized features, and performed feature scaling to improve model performance.
- **Interactive Web App**: Created a **Streamlit** application for **real-time predictions** and **visualizations**, enhancing user experience and accessibility.

SKILLS

C / C++ | JAVA | Python | Html | CSS | Tailwind | Bootstrap | MySQL

Tools & Software : VsCode, IntelliJ IDEA, Github, Google Colab, Apache

CourseWork : DSA, OOPS, DBMS

CERTIFICATIONS

- **AWS Cloud Foundations** Certification | [Certificate](#)
- The Complete 2024 **Web Development** Bootcamp | [Certificate](#)

CODING PROFILES

• [Leetcode](#)  • [AtCoder](#)  • [CodeChef](#) 

PROBLEM SOLVING & ACHIEVEMENTS

- **Leetcode** : **550+** problems solved
- secured **53rd** rank in CodeChef's **Starter 151**
- achieved **3-star rating** of **1706** on CodeChef
- unlocked **Gold Level** in Go for Gold Contest in **iAspire** | [Certificate](#)
- Established a student venture as an aspiring Entrepreneur | [Certificate](#)