

# SOMANATH SINGH

[somanathsingh0803@gmail.com](mailto:somanathsingh0803@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Veer Surendra Sai University of Technology, Burla

CGPA: 7.96

2020 – 2024

### Intermediate

Jawahar Navodaya Vidyalaya ,Mayurbhanj

Percentage 78.2%

2020

### Matriculation

Jawahar Navodaya Vidyalaya ,Mayurbhanj

Percentage 87.2%

2018

## SKILLS SUMMARY

**Languages:** Python, C/C++

**Frameworks:** Django, Flask

**Developer Tools & Others:** Git, GitHub, Postman, Linux, Bash, Docker, Pandas

**Databases:** MySQL, PostgreSQL

**Coursework:** Data Structure and Algorithms, DBMS, Operating Systems, Computer Networks, Machine Learning

## PROJECTS

### Pet Puja (RMS) | *Django, HTML, CSS*

[Link](#)

- Developed a comprehensive web-based Restaurant Management System aimed at streamlining operations, enhancing customer experience, and providing efficient management tools for restaurant staff.
- Developed a dynamic menu system using Django, enabling filtering by categories and displaying random selections of menu items with truncated descriptions for a clean, user-friendly interface.
- Designed a robust order processing module to handle customer orders, incorporating multiple status updates.
- Developed an inventory management app and an employee management system for superusers, enabling secure tracking and real-time updates of restaurant stock, quantities, pricing, and employee records.
- Integrated **Razorpay** for payment handling, including signature verification and automatic generation of invoices as downloadable PDFs after successful payments.
- Improved operational efficiency by automating order processing and payment collection.

### ShopiFy (Ecom) | *Django, HTML, CSS*

[Link](#)

- Developed a fully functional online marketplace using Django.
- Implemented essential functionalities such as product catalog, shopping cart, checkout process and order management.
- Utilized Django ORM for efficient data modeling and querying, ensuring optimal performance.
- Implemented a robust search and filtering system to enhance user navigation.

### Restaurant Management System (API) | *Django REST framework*

- Developed RESTful API using Django Rest framework for Restaurant management system
- Implemented authentication and authorization functionality
- Implemented user and staff management system

### Financial Fraud Detection System | *Python, sklearn, Pandas, Numpy*

- A machine learning model to detect fraud in a financial transactions
- Balanced a highly imbalanced dataset(99.9% notFraud) Using SMOTE technique
- Voting classifier with SVM, Decision Tree and Random Forest as base models is used to train the model
- Voting classifier with SMOTE sampling technique gives the highest AUC value of **0.9993**

## COURSES

1. Google IT Automation with Python (view certificate)
2. CCNA: Introduction to Networks by CISCO ([view certificate](#))
3. Introduction to Cybersecurity by CISCO ([view certificate](#))
4. Machine Learning course by Andrew Ng on Coursera([view certificate](#))

## CODING PROFILES

1. **GeekforGeeks** problems solved 500+
2. **LeetCode** problems solved 100+
3. **Codechef** - Maximum Rating 1500

## POSITIONS OF RESPONSIBILITY

1. Core team member, Enigma, VSSUT
2. Mentored 30+ students in Levelup DSA , Enigma, VSSUT