SOMANATH SINGH

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EDUCATION

Bachelor of Technology in Computer Science and Engineering	CGPA: 7.96
Veer Surendra Sai University of Technology, Burla	*2020 – 2024*
Intermediate	Percentage 78.2%
Jawahar Navodaya Vidyalaya ,Mayurbhanj	*2020*
Matriculation	Percentage 87.2%
Jawahar Navodaya Vidyalaya ,Mayurbhanj	*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, integrating PayPal payment gateways.
- 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. CCNA: Introduction to Networks by CISCO (view certificate)
2. Introduction to Cybersecurity by CISCO (view certificate)
3. Cybersecurity Essentials by CISCO (view certificate)
4. Machine Learning course by Andrew Ng on Coursera(view certificate)
5. Natural Language Processing course by Deeplearning.ai on Coursera(view certificate)

CODING PROFILES

1. GeekforGeeks problems solved 400+
2. Codechef - Maximum Rating 1500

POSITIONS OF RESPONSIBILITY

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