Susanta Gope

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SKILLS

- **Languages**:   C, C++, Java, Python, JavaScript
- **Frameworks**:   HTML, CSS, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Django, FastAPI
- **Techniques**:   Linear Regression, Random Forest, EDA, One-Hot Encoding, Feature Scaling
- **Tools/Platforms**: Streamlit, Excel, Tableau, Google Colab, Git, GitHub, VS Code, MySQL, Docker, Java Swing
- **Soft Skills**:   Leadership, Problem-Solving Skills, Team Player, Communication, Project Management, Adaptability

PROJECTS

E-Commerce Web App: May 2025- Jun 2025

- Developed a full-stack ecommerce web application using **Django**, **Python**, and **Bootstrap** with modern, responsive UI/UX.
- Implemented user authentication, profile management, and secure registration/login workflows.
- Built product catalog with pagination, detailed product pages, wishlist, and product review features.
- Designed order management system with order history, order detail views, and real-time order status tracking.
- Created admin/staff-only interfaces for product addition and order status management, enforcing role-based access control.
- Integrated email notifications for order confirmations and followed Django best practices for maintainable, scalable code. deployment.
- **Technologies Used: Python, Django, MySQL, Bootstrap, Stripe API, HTML/CSS**

Health Insurance Cost Prediction: Feb 2025- Apr 2025

- Engineered a machine learning model using **Linear Regression** and **Random Forest Regressor** to predict health insurance charges from demographic and health-related features.
- Conducted **Exploratory Data Analysis (EDA)** with **Pandas**, **Seaborn**, and **Matplotlib** to identify key cost drivers such as BMI and smoking status.
- Applied data preprocessing techniques including one-hot encoding, feature scaling, and null handling using Scikit learn.
- Achieved an R² score of 87% on the test set, improving performance by over 9% compared to Linear Regression.
- Deployed a real-time Streamlit app with full ML pipeline from cleaning to deployment.
- **Technologies Used: Python, Scikit-learn, Streamlit, Pandas**

TV Series "Friends" Dashboard Analysis: Sep 2024- Oct 2024

- Designed an interactive **Tableau** dashboard to visualize over 10,000 lines of episode dialogue and uncover character insights, improving user engagement by enabling dynamic filtering.
- Cleaned and merged raw datasets using **Excel** and **Python**, transforming them into a structured format for visualization.
- Visualized Key metrics such as top characters, most active seasons, and dialogue frequency using bar charts, heatmaps, and line graphs.
- Enabled dynamic filtering by season, character, and sentiment for enhanced user interactivity and storytelling.
- **Technologies Used: Tableau, Python, Excel**

CERTIFICATES

- Cloud Computing - **NPTEL** - https://ln.run/CQjPP   Apr 2025
- Data Structures and Algorithms – **GeeksforGeeks** - https://ln.run/skjIv   Aug 2024
- Getting Started with AI and Machine Learning – **LinkedIn** - https://ln.run/7dZVp   Jul 2024
- Programming in C++, A Hands-on Introduction - **Coursera** - https://ln.run/-XEIC   May 2024

ACHIEVEMENTS

- **Coding Profile**: Solved **300+** Data Structures & Algorithms problems across platforms like **LeetCode, GeeksforGeeks, and HackerRank**; achieved **1550+ ratings** on both LeetCode and HackerRank.
- **Hackathons:** Participated in a **national-level Hackathon organized by iNeuron**, where I collaborated with a team to develop an innovative tech solution under a strict time constraint. This experience enhanced my skills in problem-solving, teamwork, and technology under stress.

EDUCATION

- **Lovely Professional University**   Phagwara, Punjab
  Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.71**   Since August 2022

- **Indpur Goyenka High School**   Bankura, West Bengal
  Intermediate (PCM); **Percentage: 92.4%**   April 2019 - March 2021

- **Bansidi High School**   Bankura, West Bengal
  Matriculation; **Percentage: 85%**   April 2018 - March 2019