Navanil Das

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LinkedIn | **GitHub**

EDUCATION

B.Tech Computer Science (Health Informatics): VIT Bhopal University – 8.40/10	**2022 - Present**
Class XII: Essar International School (CBSE) – 85.8%	**2022**
Class X: Essar International School (CBSE) – 92.8%	**2020**

SKILLS

Programming: Python (Pandas, Numpy), SQL, Java, Notion
BI Tools: Tableau, MS-Excel
Certifications: IBM Data Analyst, Accenture Data Analytics and Visualization, The Bits and Bytes of Computer Networking (Google), SQL (HackerRank)

WORK EXPERIENCE

Jindal Stainless Limited   **Odisha**
Data Analyst Intern   **October. 2024 – December. 2024**

- Leveraged **SQL**, **Excel**, and **Tableau** to analyze **20K+ HR records,** delivering real-time dashboards and automating reports used across HR and IT departments.
- Streamlined manual reporting workflows, **reducing turnaround time by 20–30%**, and enhanced organizational data visibility for strategic decision-making.

Insight Fusion Analytics   **Mumbai (Remote)**
Data Analyst Intern   **April. 2025 – July. 2025**

- Developed end-to-end data pipelines and dashboards using **Python**, **Excel**, **and public APIs** for stock market and sports analytics, optimizing insights for **10+ client deliverables.**
- Accelerated client reporting cycles by **reducing delivery time from ~5 days to 2–3 days**, boosting analytics-driven decision-making across domains.

ACADEMIC PROJECTS

Sentrix – Realtime Fraud Detection System (*Link*):   **June. 2025 – July. 2025**

- Developed an end-to-end fraud detection pipeline using **Python, LightGBM, and SMOTE**, achieving **99.99% ROC AUC** and **96% F1-score** on minority class (fraud) across **30,000 transactions.**
- Built a **FastAPI**-based web app with real-time and bulk fraud scoring, **SQLite** backend, and **Jinja2** dashboard for manual review—processed **150,000+ records** with actionable fraud triage capability.

Airbnb Dashboard Visualization (*Link*):   **May. 2025 – June. 2025**

- Engineered an interactive **Tableau dashboard** for **50K+ NYC listings** to explore pricing, reviews, and neighborhood trends, supporting strategic insights for short-term rental planning.
- Built a **Random Forest price prediction model** ($R^2 = 0.63$) and used **SQL** to extract insights on revenue potential, demand hotspots, and pricing inefficiencies, boosting host performance evaluation.

PUBLICATION

A SMART WINDOW SYSTEM AND METHOD FOR DYNAMIC SOLAR ENERGY CONTROL   **April. 2024**
Patent

- Invented a **temperature-responsive Hydrogel-based smart window** with CPV integration, reducing up to **50% energy waste** and enhancing building energy efficiency.

RESPONSIBILITIES & ACHIEVEMENTS

- **Team GarVIT – E-BAJA (Manufacturing & Inventory Department):** Managed inventory and logistics for EV assembly, driving a **20% improvement** in build efficiency and supporting successful national-level E-BAJA competition participation.

- **Smart India Hackathon 2024:** Selected through multi round internal hackathon and nominated by college to represent in SIH 2024 national-level competition after rigorous evaluation.