VAIBHAV SINGH

PRATAPGARH , UTTARPRADESH, 230001

📞 +91-7307606503   ✉ vaibhav24singhs@gmail.com   in **Linkedin**   ⬤ **Github**

EDUCATION

SLIET, Sant Longowal Institute Of Engineering And Technology , PUNJAB **2021 − 2025**
*B.E - Electrical Engineering - **CGPA** - **7.33*** *Sangrur, Punjab*

COURSEWORK / SKILLS

- PYTHON
- SQL
- POWER BI
- PYTHON DATA LIBRARY
- MS EXCEL
- FEATURE ENGINEERING
- DBMS
- JIRA

PROJECTS

Credit Card Dashboard ⧉ | POWER BI, DAX, SQL

- Enabled data-driven decision-making by providing real-time dashboards with drill-down capabilities, helping stakeholders identify fraud patterns, customer behavior, and revenue opportunities.
- Designed an interactive and visually compelling Power BI dashboard to track key metrics such as spending trends, payment defaults, customer segmentation, and reward point utilization.
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Bank Loan Analysis Dashboard ⧉ | PYTHON, EDA, POWER BI, DAX, SQL

- Managed the collection and analysis of loan application data from multiple sources, including credit reports, internal records, online portals, and third-party services, ensuring comprehensive borrower profiles.
- Conducted credit checks, income verification, and debt-to-income ratio analysis to evaluate borrower creditworthiness, supporting data-driven loan approval decisions and risk mitigation strategies.
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Hospital Analytics DashBoard ⧉ | POWER BI, DAX

- Collected and analyzed emergency room patient data, including anonymized identifiers (Patient ID, First Initial) and demographic details (Age, Gender, Race), ensuring compliance with HIPAA/GDPR regulations.
- Tracked key metrics such as admission dates, wait times, and department referrals to identify peak admission periods, resource allocation needs, and operational bottlenecks in the ER.

Music Store Analysis ⧉ | MS SQL

- Conducted comprehensive SQL analysis on a music store database to uncover key trends, including top-selling genres, highest-spending customers, and revenue by city, driving strategic business decisions.
- Provided actionable insights, such as targeting high-value cities for promotions and collaborating with top rock artists, enhancing revenue opportunities and customer engagement.

Financial Analysis Dashboard ⧉ | MS EXCEL

- Managed the collection and analysis of loan application data from multiple sources, including credit reports, internal records, online portals, and third-party services, ensuring comprehensive borrower profiles.
- Conducted credit checks, income verification, and debt-to-income ratio analysis to evaluate borrower creditworthiness, supporting data-driven loan approval decisions and risk mitigation strategies.

TECHNICAL SKILLS

Languages: Python, SQL
Technologies/Frameworks: POWER BI, MY SQL,NUMPY, PANDAS,MATPOTLIB, SEABORN
Developer Tools: Jupiter Notebook, JIRA, Power BI Desktop