

BRIEF SUMMARY

Data-driven Electronics and Communication Engineering undergraduate with a passion for transforming data into actionable insights. Proficient in Python, SQL, Excel, and Power BI for data manipulation, analysis, and visualization. Experienced in applying strong analytical skills to solve complex problems, optimize processes, and support strategic decision-making. Skilled in technical research and adept at using programming fundamentals in C++ and OOP to handle and process large datasets. Eager to leverage a solid foundation in engineering and a sharp analytical mindset to contribute to data-driven projects.

KEY EXPERTISE

SQL PYTHON C++ OOPS DBMS EXCEL POWER BI

EDUCATION

University Institute of Engineering and Technology

2022 - 2026

B.E. - Electronics & Communication Engineering | CGPA: 6.80 / 10

RANI LAXMI BAI MEMORIAL SCHOOL, LUCKNOW, Lucknow

2021

12th | CBSE | Percentage: 94.40 / 100

RANI LAXMI BAI MEMORIAL SCHOOL, LUCKNOW, Lucknow

2019

10th | CBSE | Percentage: 94.40 / 100

INTERNSHIPS

HAL | Aviation / Aerospace

02 Jun, 2025 - 01 Jul, 2025

Assembly & Testing Intern

Key Skills: Assembly Language

Completed a summer internship at HAL, gaining hands-on experience in assembly and testing of avionics and electronic units. Learned low-level hardware operations, basic assembly language concepts, and component-level diagnostics. Observed defense-grade quality standards and testing procedures under the guidance of experienced engineers in a real-time industrial environment.

HAL | Aviation / Aerospace

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PROJECTS

Pizza_Sales_Analysis

Key Skills: SQL

Project Link: https://github.com/abhay-023/Pizza_Sales_Analysis_By_SQL

SQL-based analysis of pizza sales data exploring orders, revenue, popular pizzas, size distribution, time-based trends, and category performance. Advanced queries include contribution percentages, cumulative revenue, and category rankings to deliver actionable insights for business strategy.

Hospital_EmergencyRoom_Analysis

Key Skills: MICROSOFT EXCEL

Project Link: https://github.com/abhay-023/Hospital_EmergencyRoom_Analysis

An interactive Power BI emergency-room dashboard analyzing hospital operational data—patient visits, wait times, satisfaction scores, admissions, and demographics. Visualizations reveal peak hours, referral departments, and satisfaction by race or gender, empowering administrators to make data-driven decisions to enhance patient care and optimize ER efficiency

Banking_Insights_Dashboard

Key Skills: POWER BI

Project Link: https://github.com/abhay-023/Bank_Analysis_PowerBI_Dashboard

A Power BI dashboard analyzing bank operations, including loan performance, transaction volume, customer segmentation, and financial KPIs. It delivers interactive visuals—crosstabs, charts, trend analyses—to help stakeholders monitor portfolio health, detect anomalies, and support data-driven decision-making across retail and corporate banking.

Diwali_Sales_Analysis

Key Skills: Python Numpy Pandas Matplotlib Seaborn

Project Link: https://github.com/abhay-023/Python_Diwali_Sales_Analysis

This project presents an interactive Excel dashboard designed to analyze customer purchase behavior, product performance, and sales trends. The dashboard provides actionable insights into customer demographics, spending patterns, and regional sales distribution, helping businesses make data-driven decisions.

ASSESSMENTS / CERTIFICATIONS

SQL BASICS CERTIFICATE

Key Skills: SQL

HACKERRANK SQL BASICS CERTIFICATE.

SQL INTERMEDIATE CERTIFICATE

Key Skills: SQL

HACKERRANK SQL INTERMEDIATE CERTIFICATE.

CO-CURRICULAR ACTIVITIES

- o Done juniors counselling
- o Attended workshops on SQL, Python, Excel, Power BI, and Tableau.
- o Completed academic projects on data visualization, predictive modeling, and database management.

EXTRA CURRICULAR ACTIVITIES

- o Traveling
- o Participated in college fests
- o Participated in debate, public speaking, and group discussions to improve communication skills.
- o Involved in sports and team activities, demonstrating teamwork, leadership, and discipline.

PERSONAL INTERESTS / HOBBIES

- o Sports
- o TechBlogs

WEB LINKS

- o Github - <https://github.com/abhay-023>

PERSONAL DETAILS

Gender: Male	Date of Birth: 23 Jun, 2005
Marital Status: Single	Known Languages: Hindi, English
Current Address: Mehr Chand Mahajan Hall (Boys Hostel-1), Panjab University, Chandigarh 160014, Chandigarh, Chandigarh, India - 160014	Permanent Address: 16/826 Indira Nagar Lucknow , Uttar Pradesh , 226016, Lucknow, Uttar Pradesh, India - 226016
Emails: abhaysingh071021@gmail.com , arpitsingh071021@gmail.com	Phone Numbers: +91-8299065437, +91-9793271978