

# Moumish Sarkar

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## PROFESSIONAL SUMMARY

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B.Tech graduate in Electronics and Communication Engineering with strong foundation in Python, SQL, and Data Structures and Algorithms. Hands-on experience in data analysis, database design. Passionate about solving real-world problems through technology. Seeking entry-level opportunities in software development, data analytics, or related roles.

## EDUCATION

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<b>Narula Institute of Technology</b> <i>B.Tech in Electronics and Communication Engineering</i> — CGPA: 8.70	2020–2024, Kolkata
<b>Kalyani Central Model School, Kalyani</b> <i>Higher Secondary (Class XII), CBSE</i> — Percentage: 83.2%	2018–2020, Kalyani
<b>Julien Day School, Kalyani</b> <i>Secondary (Class X), ICSE</i> — Percentage: 82.6%	2007–2018, Kalyani

## TECHNICAL SKILLS

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**Programming Languages:** Python | Java

**Web Technologies:** HTML | CSS | JavaScript

**Concepts:** Data Structures and Algorithms (DSA) | Object-Oriented Programming (OOP) | Database Management System (DBMS) | Computer Networking | SQL | Power BI

## PROJECTS

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### Customer Behavior & Sales Analysis using Python [Link]

*A project focused on understanding customer trends and improving business insights using data analytics.*

- Performed data cleaning and exploratory data analysis (EDA) using pandas, matplotlib, and seaborn.
- Identified target customer segments by age, gender, occupation, and location.
- Improved sales strategies by discovering high-demand products and planning inventory accordingly.

**Skills Used:** Python | Pandas | Matplotlib | Seaborn | Data Visualization

### Online Bookstore Data Analysis using SQL [Link]

*A database-driven project designed to extract business insights using structured queries..*

- Created a relational database schema with Books, Customers, and Orders tables.
- Imported CSV data into PostgreSQL and executed 20+ SQL queries using JOINS, subqueries, aggregations, and GROUP BY with HAVING.
- Analyzed book sales, customer spending behavior, and low-stock alerts to optimize performance.

**Skills Used:** SQL | PostgreSQL | Relational Databases | Data Analysis

## CERTIFICATIONS

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Introduction to Python Programming – Coursera [Link]

Data Structures and Algorithms Certification [Link]

30-Days SQL Micro Course – Skill Course [Link]