

Ayush Gupta

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Education

- **Birla Institute of technology, mesra** 2022 – 2026
B.Tech, Civil and Environmental Engineering **CGPA: 8.09**
- **(12th) VJ International School Lodhipur Goradiah RD Bhagalpur, Bihar** 2018 – 2020
Science student with strong mathematical skills **percentage : 82**
- **(10th) St. Joseph's School, Dumka** 2017 – 2018
Among Top 10 out of 120 students **percentage : 85.83**

Skills

Programming Languages: Python, MySQL, JavaScript , Java

Software Packages: Pandas, Anaconda, NumPy

Development Tools and Environments: Git, GitHub, PowerBI, MS Excel, Jupyter Notebook, VSCode, Tableau, aws

Experience

- **Civil Engineer Intern | NHAI** Jun 2025 - Jul 2025
 - Assisted in the planning and supervision of Jharkhand's first trumpet interchange project, including bridges, road connections, and a vehicle underpass.
 - Conducted site inspections to monitor construction progress and ensure compliance with NHAI quality standards and safety protocols.
 - Analyzed engineering drawings, material specifications, and test reports to support project decision-making.
 - Collaborated with engineers and contractors to address on-site challenges and streamline project execution.

Projects

- **COVID-19 Data Exploration and Analysis using SQL** Jul 2025 - Aug 2025
 - Imported and cleaned raw COVID-19 datasets to ensure accuracy and consistency for analysis.
 - Wrote complex SQL queries to extract, filter, and aggregate pandemic-related data.
 - Analyzed trends in cases, deaths, and recoveries to identify key patterns over time.
 - Visualized insights using calculated metrics to support data-driven decision making.
- **Airbnb Data Analysis and Dashboard Development | Tableau** Jul 2025 - Jul 2025
 - Collected and processed Airbnb listings and booking datasets to prepare them for analysis.
 - Designed interactive dashboards in Tableau to visualize key metrics and booking trends.
 - Analyzed patterns in pricing, occupancy rates, and location-based performance.
 - Delivered actionable insights to support decision-making for property management strategies.
- **Bike Sales Data Visualization in Excel** Aug 2025 - Aug 2025
 - Compiled and organized sales data to create a structured dataset for analysis.
 - Developed an interactive Excel dashboard using pivot tables, charts, and slicers.
 - Identified sales trends and customer demographics to support business insights.
- **SQL-Based Data Cleaning and Transformation of World Layoffs Dataset** Jul 2025 - Jul 2025
 - Imported raw world layoffs dataset into SQL for structured storage and efficient querying.
 - Identified and removed duplicate, null, and inconsistent entries to ensure data accuracy.
 - Standardized column formats, date fields, and categorical values for uniformity.
 - Optimized dataset structure to improve query performance and prepare for further analysis.

Achievements

- **Top 5% among 1.5M+ test-takers** in Joint Entrance Examination (JEE Mains), 2022
- **Top 5 among** all students in my batch

Position of Responsibility

- **Senior Executive Member | IEI civil, BIT mesra**
 - Coordinated technical events, workshops, and seminars to enhance peer learning and professional engagement.
 - Collaborated with team members to plan and execute student chapter activities efficiently.

Additional Coursework

Data Structures and Algorithms | OOPS | MERN Stack