

Himanshu Rajput

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EDUCATION

- **National Institute of Technology, Silchar** Cachar, Assam, India
Bachelor of Technology - Civil Engineering; CGPA: 7.73 Nov 2022 - June 2026
- **D H R T Saraswati V M Nehru Nagar Ghaziabad** Ghaziabad, UP, India
Class XII ; Percentage: 88 2021
- **D H R T Saraswati V M Nehru Nagar Ghaziabad** Ghaziabad, UP, India
Class X ; Percentage: 93.2 2019

INTERNSHIP EXPERIENCE

Research Intern - Road Safety and Blackspot Analysis

- Collected and cleaned **8,000+** accident records across **5** states, enabling high-confidence inputs for decision models using **Python (Pandas)**.
- Developed **statistical models** (regression, clustering) on **300+** variables to identify high-risk zones, driving **90%** model reliability and actionable insights.
- Delivered visual analytics using **Matplotlib** and **Seaborn**, reducing reporting time by **35%** and supporting data-driven policy decisions.

PROJECTS

Indian General Election Results

Presentation link

Tools and Skills: Power BI, DAX, Power Query, GIS Mapping, Data Normalization, ETL, Dashboard Design

- Developed a dashboard for **543** constituencies using a **normalized model** (State ID, Constituency ID) and integrated **5+** Excel sources via **Power Query**, created **6** dashboards with **Map**, **Donut**, and **Matrix** visuals.
- Used **DAX** measures to calculate vote share %, margins, and alliance performance; enabled on-demand **KPI** analysis (**15%+** vote swings, top alliances by seat share) with **drill-throughs**, **slicers**, and **bookmarks**.

Uber Trip Analysis

Presentation link

*Tools and Skills:*Power BI, Time-Series Analysis, Star Schema Modeling, Data Cleansing, User Behavior Analytics

- Engineered a dashboard for **100,000+** Uber trips using Power Query to clean data and design a **star schema** with dimensions for location etc, using **DAX** measures to track **KPIs** like Peak Demand, Repeat Trip Rate etc.
- Implemented interactive insights with **user-driven toggles**, **drill-throughs**, **10-minute trends**, **heatmaps**, and **conditional formatting**; identified top **5** pickup zones, **40+** km trips, and vehicle performance by location.

Shopify Sales Analytics

Presentation link

*Tools and Skills:*Power BI, Power Pivot, RFM Analysis, Data Modeling, UX-Focused Dashboarding, Business Intelligence

- Built a dashboard for Shopify sales, uncovering trends in **customer behavior**, **retention metrics** etc cleaned data in **Power Query** and designed a **star schema** across orders, products, customers, and time.
- Formulated advanced **DAX** measures for **KPIs** like **Net Sales**, **AOV**, **Customer LTV**, and **Repeat Rate(46%)**; incorporated interactive insights using **KPI toggles**, **maps**, and **drill-throughs**.

SKILLS

- **Languages:** SQL, Python (NumPy, Pandas), C, C++, Javascript
- **Visualization:** Power BI, Tableau, Matplotlib, Seaborn
- **Tools:** Excel, Power Query, Jupyter Notebook, Git, VS Code
- **Analytics Skills:** Data Cleaning, Data Wrangling, EDA, Statistical Analysis, Forecasting, A/B Testing
- **Soft Skills:** Analytical Reasoning, Storytelling with Data, Logical Evaluation, Collaboration, Publicity, Leadership

POSITION OF RESPONSIBILITY

- **Technical Head, Illuminits Society - NIT Silchar** 2024-2025
 - Led website development and integrated data collection workflows to capture and analyze participant registrations, engagement metrics, and event insights during society activities.
- **Publicity Head E-Cell, NIT Silchar** 2024-2025
 - Led publicity and outreach for E-Cell events, driving higher visibility and attendance through targeted campaigns, while demonstrating team coordination and strategic directions in marketing efforts.

CERTIFICATIONS

- **Certification Name:** Career Essentials in Data Analysis by Microsoft and LinkedIn [View Certificate](#)

OTHER INTERESTS/EXTRACURRICULAR ACTIVITIES

- **Student Volunteer** NorthEast Y20 Conclave
- **Student Volunteer** Think India, NIT Silchar
- **Student Volunteer** NITSMUN, NIT Silchar