

Simran Verma

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PROFILE

First-year BS student at IIT Patna (Computer Science & Data Analytics) with hands-on experience in Python, SQL, and Power BI. Passionate about data cleaning, exploratory analysis, and building dashboards that turn raw data into clear insights. Always looking to learn by working on real problems.

PROFESSIONAL EXPERIENCE

DEVVERSE, Data Analyst Intern 01/2026 – 03/2026

- Conducted exploratory data analysis to uncover trends and performance patterns, informing strategic decisions.
- Developed dashboards and KPI reports to communicate insights to stakeholders.
- Supported data-driven decision making through visual analytics and reporting, enhancing stakeholder understanding.
- Cleaned and transformed business datasets in Excel and Python (Pandas) to prepare for analysis.

Tata Group - via Forage, Data Analytics Virtual Experience 10/2025 – 10/2025

- Analysed business datasets and identified key performance trends.
- Created dashboards to communicate insights for decision-making.
- Developed data storytelling techniques to effectively present analytical findings.
- Executed data analytics job simulation to enhance skills in business data visualisation.

Henry Harvin Education - Yuva Intern, Junior Business Analyst Intern 03/2026

- Conducted market and performance analysis using Excel tools to support data-driven insights.
- Analysed business datasets to identify operational trends that informed strategic decisions.
- Prepared structured reports that summarised analytical findings for stakeholder review.

EDUCATION

Indian Institute of Technology Patna, BS - Computer Science and Data Analytics 08/2025

- Relevant Coursework: Data Analysis, Statistics, Python Programming
- Independent Research: "Why Do Some Regions Stay Poor? Geography vs Historical Infrastructure" — World Bank data across 180+ countries · Python · SQL · Power BI (May 2026)

TECHNICAL SKILLS

Skills: Python (Pandas, NumPy, GeoPandas), SQL (SQLite), Power BI, Microsoft Excel (Pivot Tables, Power Query), Exploratory Data Analysis, Data Cleaning, Dashboard Development, Data Storytelling

PROJECTS

Poverty & Infrastructure Analysis | Python · SQL · Power BI | May 2026

- Analysed World Bank data across 180+ countries (2000–2022) to investigate whether geography or infrastructure better predicts regional poverty — built complete pipeline from raw data to dashboard.
- Found India's GDP per capita grew 177% from \$756 (2000) to \$2,098 (2022), with a measurable COVID-19 dip visible in 2020 data
- Mapped 89,129 railway segments across 676 Indian districts — revealed Northeast India has the lowest rail density and lowest economic connectivity in the country
- Authored a student research paper contextualising findings with published economists — Donaldson (2018), Acemoglu & Robinson (2012)

Shark Tank India - Investment Analysis Dashboard

- Analyzed 121 startup pitches and 59 successful deals to identify high-conversion investment patterns., Built an Excel-based analytical dashboard evaluating investor behavior, deal success rate, and sector performance., Identified 15-25% equity range as the most common deal structure in successful investments.

Business Segment & Financial Health Dashboard

- Developed an executive dashboard analyzing ₹4.75 Crore total revenue across multiple business segments., Tracked key financial metrics including Net Profit Margin (18.34%) and ROI (19.82%)., Identified North region contributing 39% of total revenue, highlighting regional performance differences.

EV Market Trends & Forecasting Dashboard

- Cleaned and standardized a 331-record state-wise EV dataset (2014–2024) sourced from VAHAN and SMEV, resolving missing values, duplicates, and formatting inconsistencies in Excel
- Built pivot tables and trend charts to identify key insights including the FAME-II policy inflection point in 2021 and top-performing states by EV adoption
- Designed an interactive Power BI dashboard combining historical data and ML model predictions.
- Verified Linear Regression model outputs (34 state-wise models, 2025–2030 predictions) against historical trends and cross-validated consistency across dashboard, model output, and web application