

**Rishabh Singh Rana**

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**About me**

Hard-working, creative and proactive. Specialized in Digital Data and Analysis. I am ambitious, eager to keep growing and evolving in my profession. Constantly developing new skills and abilities.ties.

**Work experience**

**Network Engineer** | CIPL - Corporate Infotech Pvt Ltd | 18/10/2018 - 22/02/2022 | New Delhi, India

Using a data-driven approach, I analyzed network performance metrics to identify and resolve system inefficiencies.

The analysis involved collecting data, documenting key findings in Excel, and visualizing trends in a dashboard to improve overall system reliability.

**Signal & Telecom Engineer Intern** | Rapid MetroRail Ltd | 08/01/2018 - 31/05/2018 | Gurugram, India

-Automated data collection and analysis using Python, enhancing processing speed and supporting real-time reporting.

**Projects**

**Deep Kernel Learning (DKL): Unsupervised Feature Extraction** | 01/10/2024 - 28/03/2025

I developed a hybrid framework combining Autoencoders and Gaussian Processes for feature extraction on image datasets (CIFAR-10, Fashion-MNIST), which enhanced model reliability.

By optimizing hyperparameters with PyTorch, I achieved 84% accuracy in image reconstruction and built scalable data pipelines for efficient large-scale analytics.

# Market Trend Analysis Dashboard | Power BI

I designed an interactive dashboard to visualize inventory trends, integrating SQL and Python for data cleaning and transformation. Using DAX, I built dynamic metrics that enabled stakeholders to track performance effectively and uncover optimization opportunities

**Education & Training**

**Bachelor of Technology in Information Technology** | Maharshi Dayanand University | 02/06/2014 - 31/05/2018 | Gurugram, India

**Master of Science in Research in Computer and System Engineering** | Technical University of Ilmenau | 04/04/2022 - Current | Ilmenau, Germany

**Certifications**

**Data Analytics and Visualization Job Simulation** | Forage | online | 23/09/2023

Project Understanding |Data Cleaning & Modeling Data | Visualization & Storytelling | Present to the Client

**Learning Data Analytics: 1 Foundations** | LinkedIn Learning | online | 16/09/2024

Data Analysis Core Skills | SQL Proficiency | Data Preprocessing | Data Governance| Data Tools | Data Workflow

**Python for Data Science Essential Training Part 1** | LinkedIn Learning | online | 24/08/2024 Data Preparation | Data Visualization| Statistics Web Scraping and NLP.| Collaborative Analytics

**Skills**

# Core Skills

SQL | Python | Power BI | Excel | Machine Learning | TensorFlow 2 | Pytorch

# Other Skills

GitHub | Data Cleaning | Trend Analysis | Statistical Modeling | Dashboard | Problem-Solving | Team Collaboration | Attention to Detail