

Swapnil Pahari

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Education

BITS Pilani

Bachelor of Engineering in Mechanical Engineering; Minor in Finance

- CGPA: 6.74

Hyderabad, India

Expected 07/2026

Little World School (CBSE)

Percentage: 89.6%

Jabalpur, India

06/2021

Little World School (CBSE)

Percentage: 90%

Jabalpur, India

03/2019

Experience

NrityaTech Solutions - (Python Django Backend Developer)

05/2024 - 06/2024

- Developed and maintained a robust **Python-Django backend** for **client-facing web applications**, streamlining data management and API communication, handling over **1,000 API requests/day** with **99.8% uptime**.
- Optimized **complex MySQL queries**, reducing average database response time from **750ms to 320ms** (a **57% improvement**), significantly enhancing real-time analytics.
- Learnt and implemented technical concepts such as **Django, REST-API, and ORM**; conducted **12+ code reviews/week**, and contributed to team-level best practices, enhancing code quality and maintainability.

Projects

Category-wise Data Analysis and Dashboard Development for EdTech Recorded Lectures :- Link

05/2025

- Designed an interactive dashboard to analyze course distribution, views, skills, and language preferences across categories and subcategories, enabling strategic content planning.
- Extracted insights on viewer engagement vs. course duration, subtitle availability, and skill diversity to identify key factors impacting content accessibility and popularity.
- Identified top-rated instructors and visualized their performance per category, helping the client target high-performing educators for future content collaboration.

Analysis of E-commerce Sales Data :- Link

04/2025

- Created interactive dashboard to analyze online sales data.
- Used complex parameters to drill down in worksheet and customization using filters and slicers.
- Created connections, join new tables, calculations to manipulate data and enable user driven parameters for visualizations.
- Used different types of customized visualization (bar chart, pie chart, donut chart, clustered bar chart, scatter chart, line chart, area chart, map, slicers, etc).

Analysis of Apple's Supply Chain Management :- Link

02/2025

- Conducted an in-depth analysis of Apple Inc.'s global supply chain practices, focusing on vertical integration, AI adoption, and supplier relationship management.
- Evaluated inventory turnover, cost efficiency, and risk mitigation strategies in Apple's operations across 50+ countries and 200+ suppliers.
- Assessed the integration of sustainability, ethical sourcing, and advanced technologies in Apple's logistics and procurement practices.

Technical Skills

- **Data Analysis:** Excel, PowerBI, Python (Pandas, NumPy, Matplotlib, Plotly), SQL
- **Financial Modeling & Frameworks:** Startup Valuation, Leverage Buy-Out (LBO), Discount Cashflow (DCF), Basel III, CCAR, IFRS 9, Liquidity Risk
- **Data Science:** Sk learn, Panda, Numpy, Matplotlib

Certifications & Additional Courses

- Supply Chain Management, PowerBI, Excel, SQL, Bloomberg Market Concepts (2024), Python (2023)