

Modi Yash Dipeshkumar

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SUMMARY

Aspiring Data Analyst skilled in Python, Power BI, and Machine Learning. Experienced in building predictive models and interactive dashboards, with a proven ability to deliver actionable insights.

EXPERIENCE

DATA SCIENCE INTERN

LARSEN & TOUBRO

July 2025 - August 2025, Surat, Gujarat

- Assisted in analyzing project data and generating actionable insights to support infrastructure planning and optimization.
- Developed Power BI dashboards to visualize key performance indicators (KPIs), improving decision-making speed by 30%.
- Automated data cleaning and preprocessing workflows using Python and Excel VBA, reducing manual effort by 40%.
- Collaborated with the on-site engineering team to monitor progress metrics, identify bottlenecks, and propose data-backed improvements.
- Participated in weekly review meetings with senior analysts, gaining hands-on exposure to enterprise-scale analytics and reporting.

DATA ANALYST INTERN

TECHNETICS IT SERVICES

May 2025 - August 2025, Nagpur, Maharashtra

- Conducted data cleaning, transformation, and visualization using Python (Pandas, Matplotlib, Seaborn) and Excel.
- Analyzed user behavior and business metrics from internal datasets to generate weekly performance reports.
- Built interactive dashboards using Power BI to monitor KPIs like customer acquisition, churn, and sales conversion.
- Collaborated with cross-functional teams to deliver data-driven insights that supported product and marketing strategies.
- Identified data inconsistencies and proposed fixes, improving data quality by 25%.

DATA ANALYST INTERNSHIP

EDUNET FOUNDATION

December 2024 - January 2025, Surat, Gujarat

- EDUNET retails, services, and repairs PCs, laptops, IT hardware, and STEM products for schools.
- Analyzed data from 5+ sources, uncovering key trends to enhance decision-making and drive business strategies.
- Designed and optimized interactive Power BI dashboards, reducing report generation time by 40% for 50+ stakeholders.
- Automated data workflows, increased reporting efficiency by 25%, and ensured timely leadership insight delivery.
- Identified trends that improved student retention by 15% and boosted engagement through targeted initiatives.

PROJECT

Mutual Fund Performance Analysis Using Data Analytics and Machine Learning

Technetic IT Services • github.com/YashMmodi-7504/MF-Analysis • June 2025 - July 2025

- Analyzed over **200+ mutual fund records** using key metrics such as NAV, Annual Returns (1Y/3Y/5Y), Volatility, Sharpe Ratio, Beta, PE/PB Ratios, and Expense Ratio.
- Cleaned and transformed financial data using **Python (Pandas)**; handled missing values using `fillna()` to ensure dataset integrity.
- Performed **Exploratory Data Analysis (EDA)** and identified high-return and low-volatility funds using statistical insights and distribution analysis.
- Conducted **multivariate correlation analysis**, including **numerical-numerical** (e.g., Expense Ratio vs Returns) and **categorical-categorical** (e.g., Fund Type vs Dividend Option).
- Built and evaluated **ML models** such as **Linear Regression** and **Decision Trees** to predict future fund performance with a baseline accuracy of **78%**.
- Created an **interactive Power BI dashboard** summarizing key findings, investment recommendations, and fund rankings for stakeholders.

Freshers Back in Demand: A Job Market Trend Analysis in Machine Learning

Technetic IT Services • github.com/YashMmodi-7504/Freshers-in-Demand • June 2025 - July 2025

- Collected and analyzed over **5,000 job postings** across various job portals to understand **fresher hiring trends** post-pandemic.
- Extracted relevant features such as job title, location, required skills, salary range, and company sector using **Python and Pandas**.
- Conducted **Exploratory Data Analysis (EDA)** to identify high-demand roles, top hiring cities, and emerging tech skills for freshers.
- Visualized hiring patterns across industries using **Matplotlib, Seaborn**, and an interactive **Power BI dashboard**.
- Identified a **25% increase in fresher demand** in the IT sector in early 2025, especially in roles like Data Analyst, Full-Stack Developer, and Cloud Associate.
- Presented key insights and strategic recommendations for new graduates to align their skills with industry expectations.
- Engineered a comprehensive machine learning workflow that predicted job market shifts by leveraging multivariate analysis, interactive data visualizations, and real-time trend tracking to support strategic workforce planning.

Smarter Sports: Predicting Performance and Preventing Injuries with AI

Technetic IT Services • github.com/YashMmodi-7504/AI-in-Sports • May 2025 - June 2025

- Analyzed over **3,500+ match and player data points** across sports like football and cricket to extract performance trends and injury patterns.
- Built and trained **machine learning models** (Random Forest, Logistic Regression) that achieved **up to 82% prediction accuracy** for match outcomes.
- Applied **pose estimation techniques** using **OpenCV** to simulate real-time player tracking and motion analysis.
- Performed **exploratory data analysis (EDA)** to identify statistical indicators associated with fatigue, form drops, and injury risk.
- Developed an **interactive Power BI dashboard** to visualize insights on player performance, health trends, and strategic decisions.
- Delivered a comprehensive **report and presentation** that demonstrated the real-world application of AI in optimizing athletic performance and reducing injuries.

Analyzing the India–UK Free Trade Agreement: Economic Impact and Strategic Insights

Technetic IT Services • github.com/YashMmodi-7504/India-UK-FTA-Deal • April 2025 - May 2025

- Analyzed over **10,000+ trade transaction records** between India and the UK using publicly available datasets and official economic reports.
- Conducted **comparative analysis** of trade flows, sector-wise exports/imports, and tariff implications pre- and post-FTA implementation.
- Built a **Power BI dashboard** to visualize bilateral trade volumes, growth trends, sectoral shifts, and potential winners across industries.
- Identified that **key growth sectors** under the FTA included Pharmaceuticals, Automotive, Textiles, and IT Services with a projected trade uplift of **12–15%** over three years.
- Prepared a **detailed analytical report and summary briefing** explaining economic, political, and regulatory implications of the FTA for policymakers and businesses.
- Presented **actionable insights** and strategic recommendations for Indian exporters to maximize benefits under preferential trade terms.

EDUCATION

Bachelor of Engineering in Computer Science

C.K. Pithawala College of Engineering and Technology • Surat,India • 2026 • 9.0

CERTIFICATIONS

Code Unnati Course

EDUNET FOUNDATION • 2025

- The Code Unnati certification helped me gain foundational knowledge in coding and problem-solving techniques. It is relevant as it equipped me with programming skills and a structured understanding of problem-solving, essential for data science and machine learning projects, enhancing my technical expertise.

Tata Forge Visualization

Tata Forge • 2025

- This certification demonstrates my ability to apply data visualization techniques using tools like Power BI and other visualization platforms. It is relevant to my role as a Data Analyst, as it enhances my skills in presenting data insights effectively to stakeholders and decision-makers.

JP Morgan Forge Certification

JP Morgan (Forge) • 2025

- This certification reflects my experience handling finance-related data, focusing on financial analysis and modeling. It is highly relevant for my internship and future roles in data analytics, particularly in industries such as finance, where understanding financial data and analytics is crucial.

Python for Data Science and Data Mining — Infosys Springboard

Infosys Springboard • 2025

- Built foundational knowledge in Python for data analysis, machine learning, and data mining, focusing on data manipulation and applying skills to real-world machine learning projects and data mining techniques.

Accenture Certification

Accenture Forge • 2025

- The Accenture Forge Certification enhanced my understanding of business processes, problem-solving, and data analysis in real-world scenarios. It’s relevant because it helped build my analytical and technical skills, which are crucial for data science roles, especially in data manipulation, decision-making, and business intelligence.

Power BI Job Simulation Program

PwC (PricewaterhouseCoopers) • 2025

- This certification helped me develop hands-on expertise in using Power BI for data visualization and business analytics. It is highly relevant for my role as a Data Analyst, as it enabled me to create interactive dashboards, perform data transformations, and derive actionable insights from large datasets, essential skills in today’s data-driven world.

Oracle Certification

Oracle University • 2024

- The Oracle Certification provided me with a strong foundation in database management, SQL, and cloud technologies. This certification is highly relevant as it equips me with the skills needed for data storage, retrieval, and cloud services, which are essential for working with large datasets, building scalable systems, and ensuring data integrity in data science and analytics roles.

SKILLS

- **Data Analysis & Visualization:** Skilled in Python (Pandas, NumPy), Power BI, and Excel for data processing and visualization.
- **Machine Learning:** Experience in predictive modeling and LSTM networks for time-series forecasting.
- **Deep Learning:** Proficient in TensorFlow, Keras, and neural network architectures (CNNs, RNNs).
- **Programming:** Advanced Python skills, with expertise in Scikit-learn, Keras, and PyTorch.
- **Leadership:** Strong leadership in guiding teams and aligning efforts toward project goals.
- **Problem-Solving:** Excellent analytical skills for delivering scalable, efficient solutions.
- **Communication:** Effective in explaining technical concepts to non-technical stakeholders.