# ATUL ANAND

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## Objective

An **analytical professional** with expertise in **SQL, Power BI, and statistical analysis**, focused on transforming complex datasets into **actionable insights**. Experienced in applying **advanced analytics and predictive modeling** to **improve efficiency, maximize profitability, and support data-driven decision-making**.

## Education

- **Central University of Haryana** *Nov 2022 – July 2024*
  *Master of Computer Applications (MCA)* Mahendergarh, Haryana, India
  - GPA: 7.84/10.00; among the top 11% of the batch
  - Relevant coursework: Statistics, Machine Learning, Python, Advanced Databases
- **College of Commerce, Arts & Science; Magadh University** *May 2017 – Dec 2020*
  *Bachelor of Science in Information Technology (B.Sc IT)* Patna, Bihar, India
  - Secured 61.93% overall
  - Relevant coursework: Databases, SQL, Computer Networks, Programming Fundamentals

## Skills

**Programming & Analysis:** Python | SQL | DAX | Machine Learning | Excel | ML | ETL
**Database Management:** MySQL | RDBMS | Data Modeling | Query Optimization | Indexing
**Statistical Analysis:** Regression Analysis | Hypothesis Testing (ANOVA , Chi-Square Test , A/B Testing)
**Data Visualization:** Power BI | Matplotlib | Seaborn
**Tools & Technologies:** Git | Jupyter Notebooks
**Soft Skills** Communication | Curiosity & Problem-Solving | Attention to Detail

## Projects

- **Inventory Analysis (End-to-End)** *Apr 2025*
  *Tools: **MySQL, Power BI, SQL (CTEs, Window Functions), DAX*** Project Repository
  - Analyzed **276,390 product inventory records** from raw web data, uploaded and structured in MySQL, to evaluate stock movement, procurement windows, and lifecycle performance.
  - Identified **3,790 deadstock** items worth **$850K (0 sales)**, recommending rationalization strategies projected to unlock **$8.22M** in potential **revenue**, representing approximately
  - Engineered **purchase gap analysis** using SQL (**LEAD/LAG**, **DATEDIFF**), mapped **stocking behavior** (**Overstocked**, **Understocked**, **Balanced**), and monitored **stock-to-sales efficiency** across **47,020 active SKUs**.
  - Built **Power BI dashboards** by connecting **MySQL views**, visualizing **ABC category trends**, **vendor-level contribution**, and flagged **underperforming brands**—enabling **data-driven procurement and stocking decisions**.
- **Sales Profitability and Trends** *Sep 2024*
  *Tools: **MySQL, Power BI*** Project Repository
  - **Analyzed** Superstore sales data to identify key **profitability trends** across products and customer segments.
  - Identified **top-performing product segments** and provided **data-driven recommendations** for **marketing** and **inventory optimization**.
  - Found a **-0.63 correlation** between **discount levels** and **total profit**, leading to a **new pricing strategy** projected to **increase profitability by 5%**.
  - **Designed interactive dashboards** in **Power BI** to visualize **KPIs** and enable **real-time decision-making**.
- **Predicting Bankruptcy with Machine Learning** *Feb 2024 - Mar 2024*
  *Tools: **Python, Pandas, NumPy, Matplotlib, Seaborn*** Project Repository
  - **Built a predictive model** with **95% accuracy** to classify **bankruptcy risk** from historical financial data.
  - Applied **data preprocessing, EDA, and feature engineering** to enhance model accuracy.
  - Evaluated **model performance** using **accuracy, precision, recall, and F1-score** and analyzed key **bankruptcy risk drivers**.

## Certifications

**PANDAS** | **PYTHON** | **DELOITTE (Data Analytics)**