TANISH P. PATHAK

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SUMMARY

Master's in Business Analytics student with a Mechanical Engineering background and practical experience in data analysis, project management, and business operations. Strong communicator and leader with a creative, problem-solving mindset, committed to continuous improvement and delivering strategic insights to drive efficiency and informed decision-making.

EDUCATION

Northeastern University, Boston, MA   **Dec 2025**
Candidate for Master of Science in Business Analytics | GPA: 3.23

Rajarambapu Institute of Technology, Maharashtra, India   **Jul 2023**
Bachelor of Technology, Major in Mechanical Engineering | GPA: 3.51

CORE COMPETENCIES & CERTIFICATIONS

- Reporting/BI Tools: Excel (VBA, Pivot Tables, VLOOKUP), Tableau, PowerBI, Alteryx
- Programming: SQL, Python (Numpy, Padas, Matplotlib, Seaborn, Scikit-learn), R programming
- Data Analysis & Decision Making: Strong skills in data processing, statistical modelling, and quantitative reasoning
- Certifications: Google Business Intelligence Professional Certificate

PROFSSIONAL EXPERIENCE

Autoline Industries Ltd, Pimpri-Chinchwad, Maharashtra India   **Jun 2023 – Oct 2023**
Business Analyst Intern

- Created Business Operations Dashboard for product line consisting of 5 mainline products for an organization, consolidating data to streamline decision – making processes
- Performed analysis on the Key Performance Indicators (KPI) profitability, operational efficiency and market performance matrix
- Collaborated closely with cross-functional business development team to extract meaningful business insights and create strategies

KSB Ltd   **Jan 2023 – May 2023**
Project Intern

- Led a team of interns working on project of implementation and cost saving through implementation of VFD systems on booster pump series
- Achieved the results of VFD system saving 25% of average power consumption for average run cycle of month. Calculated a pay- back period for a proposal and delivery of project
- Collaborated with business consultants in the New Product Initiation (NPI) program at KSB to develop strategic frameworks
- Performed in-depth research on key industry development trends, business models of representative companies, technology paths and policy factors, mainstream markets and investment opportunities in the Energy Pumps Industry

ACADEMIC PROJECTS

Retail Sales Analytics and Customer Insights | *Associated with Northeastern University* | *Python, Excel, Statistics*

- Cleaned and integrated 50,000+ records from customer, sales, and store datasets, resolving data inconsistencies in categorical and numerical fields
- Conducted EDA and statistical analysis, identifying 40% variation in gross margin across stores and detecting outliers in sales transactions
- Developed a regression model ($R^2 \approx 0.15$) to predict gross margin and analysed seasonal trends impacting profitability
- Provided data-driven recommendations on pricing strategies and store performance, optimizing profitability potential by 10-15%

AI-Driven Inventory Management for Fashion Retail | *Associated with Northeastern University **|** Python, ML, Canva*

- Built demand forecasting models (Random Forest, Gradient Boosting), improving accuracy by 20%
- Applied K-Means clustering for customer segmentation, optimizing inventory and marketing
- Integrated AI with ERP systems for automated stock management and sustainability
- Presented key insights through a comprehensive poster, highlighting business impact