

# NIKESH BAGHAR

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## SUMMARY

- Aspiring Data Scientist pursuing a Postgraduate Program in Artificial Intelligence and Data Science, with hands-on experience in statistical modeling, data visualization, and predictive analytics.
- Focusing on extracting the value of simplicity from concepts, models, and visuals, while always aiming to uncover impactful insights from data.

## ACADEMICS

Qualification	Institute	Board/University	%/CGPA Year
Postgraduate program in AI and Data Science	Praxis Tech School, Kolkata	-	6.13 / 8   2025
B.Tech in Mechanical Engineering	Bharati Vidyapeeth College of Engineering Pune	Bharati Vidyapeeth (Deemed to be) University	8.92 CGPA   2022
Class XII	Kendriya Vidyalaya No. 1 Air Force Station Jamnagar	CBSE	73.6%   2018
Class X	Kendriya Vidyalaya No. 1 Air Force Station Jamnagar	CBSE	10 CGPA   2016

## WORK EXPERIENCE

### Tata Technologies Ltd. | Associate | Aug 2022 – Dec 2023 | 1.5 Years | Gurugram

- I collaborated with Dassault Systems as part of the technical team, specializing in CATIA V5, a leading mechanical design software.
- Core responsibilities included conducting technical training sessions, providing on-site support to optimize product design workflows, managing license renewals, and resolving software-related technical and administrative issues for automotive clients.
- This role helped strengthen my client-facing communication, problem-solving skills, and technical depth in tools.

## PROJECTS

### Predicting Flight Delays Using Machine Learning | [GitHub Repository](#)

- The model predicts flight delays using 6.4M U.S. flight records, enriched with schedules, weather, and airport features.
- Proposed an insurance-linked innovation: delay predictions at booking let passengers buy insurance, paying a premium for fare refunds.
- Turned delay forecasting into a monetizable service, boosting customer experience and creating new revenue streams.

### Identifying Product Bundling Opportunities Using Econometrics | [GitHub Repository](#)

- Enabled bundling decisions to boost lagging product sales, optimize promotions, and drive revenue via targeted cross-selling. Simulated 5% revenue uplift and validated results using paired t-tests.
- Developed bundling strategy for 19 product categories using econometric techniques (cointegration, OLS, ECM with z-scores) to identify product pairs and detect underperforming categories.

### Portfolio Optimization Using Pair Trading of Stocks | [GitHub Repository](#)

- The work proposes a pair trading approach for stock portfolio that can be used to earn profits in the stock market.
- Designed trading strategy delivering reliable signals (long, short, hold) for portfolio transactions during a one-year period.
- Trained and tested pair-trading models on real stock data, demonstrating effectiveness and return on investment.

### Sales Performance Dashboard for Coffee Shop Using Power BI | [GitHub Repository](#)

- Designed dynamic Power BI dashboard analyzing daily sales (JanJun 2023) for multi-location coffee chain.
- Delivered insights on peak/cold hours, top products, and bottlenecks to guide bundling, discounts, and offers.
- Integrated PostgreSQL data and developed KPIs: revenue, MoM growth, category-wise sales, and store performance.

## SKILLS

Python | SQL | Power BI | Tableau | Microsoft Excel