

Nikhil Nagpal

Fresher | Data Analytics & Data Science Enthusiast

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🔗 <https://data-portfolio-000.netlify.app/>

SUMMARY

Passionate about turning raw data into meaningful insights to support business decision-making. Skilled in Exploratory Data Analysis (EDA), Data Visualization, and Predictive Modeling using Python libraries like Pandas, NumPy, Matplotlib, and Scikit-learn. Familiar with Business Analytics concepts, applying AI-powered tools to analyze trends and drive actionable strategies. Also have beginner-level experience in Fullstack Web Development with React, Node.js, and Python, enabling me to build end-to-end data-driven applications.

EXPERIENCE

GenAI Powered Data Analytics, Tata via Forage (Virtual Job Simulation)

- Performed exploratory data analysis to profile customer risk and identify key trends.
- Built AI models to predict loan delinquency, improving collection strategy efficiency.
- Created data-driven business reports and storytelling decks for executive stakeholders.

Data Visualization: Empowering Business with Effective Insights, Tata via Forage

- Framed business scenarios to identify key metrics for executive dashboards.
- Selected and designed optimal visualizations (bar, line, heatmaps) for stakeholder communication.
- Translated complex data into actionable insights.

Data Analytics & Visualization, Deloitte via Forage (Virtual Experience)

- Analyzed real-world datasets to extract business insights using Python and visualization tools.
- Developed interactive dashboards to communicate trends and KPIs to non-technical audiences.
- Applied data storytelling techniques to drive strategic recommendations for leadership.

EDUCATION

Bachelor of Commerce, University of Delhi, New Delhi

2021 - 2024

6.5 CGPA

Industry Ready Certification in Full-Stack Development,
Nxtwave Disruptive Technologies

09/2022 – Present

SKILLS

Frontend Development

HTML, CSS, JavaScript, React.js, Bootstrap

Databases

SQL

Data Science

K-Means Clustering, Scikit-learn, Predictive Modeling

Backend Development

Node.js, Express.js, Python, Firebase

Data Analytics

Pandas, NumPy, Matplotlib, EDA, Power BI

AI & Automation Tools

Generative AI, Prompt Engineering, Automation Tools

PROJECTS

Customer Segmentation using K-Means Clustering (Data Science)

- Applied unsupervised learning (K-Means) to segment 5000+ customers based on purchase behavior.
- Used Scikit-learn and elbow method to determine optimal clusters (k=).
- Delivered actionable segments for targeted marketing - simulated 20% increase in campaign ROI.

E-commerce Sales Analytics with Python

- Analyzed 10K+ sales records to identify top products, peak sales hours, and regional trends.
- Visualized insights using Matplotlib and Seaborn - helped simulate 15% revenue uplift strategy.
- Automated report generation using Pandas for monthly business reviews.

Chat Application (FullStack)

- Developed real-time chat app with Gmail authentication and unique user ID system.
- Implemented secure messaging, dynamic UI updates, and persistent sessions.