

# Barnita Saha

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## Professional Summary

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Aspiring Data Scientist with hands-on experience in building AI-powered apps, cloud-based data pipelines, and real-time analytics dashboards.

Skilled in Python, Streamlit, Azure, and Power BI, with a flair for turning messy data into smart solutions. From scraping Google reviews to deploying GPT-4o-powered web apps, I love solving real-world problems with data.

Currently pursuing an MBA in Business Analytics & Data Science to blend tech skills with business insight.

## Technical & SoftSkills

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**Languages:** Python, SQL, R

**Tools:** Microsoft Azure, PowerBI, MySQL, Microsoft Office, Selenium, BeautifulSoup, Streamlit, Github, Numpy, Pandas

**TechSkills:** Data Scraping, Data Preprocessing, Exploratory Data Analysis, Web Automation, Cloud Computing, Data Visualization

**SoftSkills:** Adaptability, Creativity, Work Ethic, Analytical Thinking, Leadership, Time Management

## Experience

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### Data Scientist Intern

Jul 2024 - Feb 2025

CEchoes Technology Pvt. Ltd.

Kolkata

- Processed and cleaned large datasets using Python for structured analytics.
- Built an interactive **Streamlit** application for real time review analysis and insights from multiple sources, and make data-driven decisions effectively.
- Uploaded processed data to **Microsoft Azure Blob Storage** Container, transferred it to **Azure Cosmos DB NoSQL** using **Azure Data Factory Pipeline**, and indexed it in **Azure AI Cognitive Search** for efficient retrieval.
- Fine-tuned **OpenAI GPT-4o** model with domain-specific data, optimized its performance for customized use cases, and developed and deployed an AI-powered web application using Azure AI Cloud Services.

## Certifications

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- Business Analytics and Data Science on IBM (May 2025)
- Career Essentials in Data Analysis by Microsoft and LinkedIn (Jan 2025)
- Advance Excel with Tableau-IIT Kanpur (June 2024)
- Machine Learning-IIT Kanpur (Jan2024)

## Projects

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### Personalized Book Recommendation Engine using Machine Learning

- Analyzed over 10,000 book reviews to identify user preferences, reading patterns, and key recommendation drivers.
- Designed and trained multiple Machine Learning models, including collaborative filtering and content-based techniques, to predict personalized book suggestions.
- Achieved over **85%** accuracy in matching user interests with recommended titles.
- Deployed the final model using Model Deployment techniques via a user-friendly interface, leading to a 60% increase in engagement during testing.

### Customer Sentiment Intelligence Engine Using Google Reviews

- Collected and cleaned over 5,000 Google Reviews by removing duplicates, handling missing values, and normalizing text for better model accuracy.
- Applied Machine Learning models to perform Sentiment Analysis, classifying reviews as positive, negative, or neutral.
- Improved model performance by **20%** through feature engineering, enabling businesses to derive actionable insights from customer feedback.
- Contributed to enhanced Business Intelligence by visualizing sentiment trends to support data-driven decision-making.

## **Business Intelligence Dashboard for Acura Car Sales Optimization**

- Designed and developed an interactive PowerBI dashboard to visualize Acura car sales data, uncovering trends in regional performance, customer preferences, and inventory movement.
- Utilized advanced DAX functions and data modeling techniques to create dynamic visualizations and performance metrics (KPIs).
- Enabled data-driven decision making by providing stakeholders with real-time insights into sales performance and market demand.
- Enhanced business intelligence through actionable insights on sales forecasting, product availability, and dealership-level efficiency.

## **Achievements**

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- Achieved 1stPlace in Odissi Classical Dance at the prestigious *Sarba Bharatiya Sanskriti o Sangeet Parishad*, recognized for outstanding performance in Indian classical arts at a national-level platform.
- Champion of the Post graduate 'Start-up Challenge', awarded for exceptional leadership, innovation, and collaborative problem-solving in a diverse, competitive team environment.

## **Education**

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**Bengal Institute of Business Studies - VU**

**Mar 2023 – June 2025**

*MBA in Business Analytics & Data Science*

73%

**Suniti Educational Trust - BSAEU**

**Oct 2021- July 2023**

*Bachelor Of Education(Physics)*

83%

## **Declaration**

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I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I take full responsibility for the authenticity of the details mentioned.

*Barnita Saha*

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Date : 27.03.2026