

PAUSHALI MONDAL

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EDUCATION

VIT Bhopal University

BTech in Computer Science and Engineering spec. in **AI/ML** - **8.8/10**

Bhopal, India

September, 2022-Present

Vivekanand International School

Delhi, India

Class XII - **90.8%**

April, 2021 - May, 2022

Vivekanand International School

Delhi, India

Class X - **93.7%**

April, 2019 - May, 2020

TECHNICAL SKILLS

Data Analysis & Visualization: SQL (Window Functions, CTE) , Excel, Power BI (DAX), Tableau

Programming & Libraries: Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn)

Tools and Technologies: PySpark, NLP, Git

GenAI & AI/ML: LLMs, RAG, Vector Databases, Prompting, Hugging Face Transformers, n8n, Fine Tuning

Certifications: Google Data Analytics Professional Certificate - October 2025

INTERNSHIP

SpacECE India Foundation | Business Analyst Intern

December, 2024 – March, 2025

- Cleaned, transformed, and validated **100,000+** student records; built interactive dashboards in Power BI to provide insights that improved early education strategies.
- Performed **exploratory and statistical analysis** on program datasets, identifying key trends that led to a **23%** improvement in social and emotional skills.

PROJECTS

AI-Powered Customer Feedback Analysis Pipeline

July, 2025 - October, 2025

Hugging Face | RAG | Vector DB

- Developed a multi-lingual AI review analyzer using **Helsinki-NLP**, **Flan-T5**, and **Roberta** models, leveraging **RAG (Retrieval-Augmented Generation)** with a knowledge base of SOPs to automatically translate, extract sentiment, classify business functions, and suggest next actions for e-commerce customer reviews.
- Built an **end-to-end automated** workflow integrating **Python AI pipelines**, **RAG reasoning**, Google Sheets, Trello, and automated emails, generating actionable insights and directly notifying the concerned departments for timely resolution.

Predictive Economic Analytics & Forecasting

July, 2025 - August, 2025

Python | Scikit-Learn | Power BI

- Developed an **end-to-end data analysis and forecasting pipeline** for global economic indicators, leveraging Python (scikit-learn) and Power BI for end-to-end data processing, model training (Linear Regression, Random Forest, Gradient Boosting), and interactive visualization.
- Achieved high-accuracy GDP predictions using a top-performing **Gradient Boosting** model, which yielded an R^2 score of **0.99**, while validating key feature importance from metrics like GDP Growth, Inflation, and Public Debt.

EXTRA-CURRICULAR ACTIVITIES

DataVerse: Data Analytics Case Competition by KOED x IIM Lucknow

January, 2025 - February, 2025

- Secured a **Top 10** finish (out of 1290 entries) for a high-impact business sales solution.
- Core Member of the Photography Club, leading event coverage for significant occasions including Convocation'23 and managing post-editing workflows.

ADDITIONAL INFORMATION

Languages: English, Hindi, Bengali

Interests: Photography, Reading