Shalini **Nanda**

Data Science Aspirant | Former Axiom Developer

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Summary

Once immersed in rule engines and financial data as an Axiom Developer, I found my true passion in decoding patterns and predicting outcomes through data science. I now bring the same discipline and logic to models that don't just function — but forecast, reveal, and empower.

Work Experience

Capgemini *Pune, Maharastra*

Senior Software Engineer *April. 2021 - 2023*

- Developed and optimized Axiom-based data models and SQL queries to enhance financial reporting efficiency for a European bank.
- Ensured data quality and integrity by implementing robust validation processes, supporting accurate and consistent financial reports.
- Collaborated with cross-functional teams to design automated data workflows and manage version control for seamless integration and deployment.

Skills

Programming	Python, SQL
Libraries	NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn
Machine Learning	Regression, Classification, Clustering, PCA, Time Series (ARIMA)
Visualization	Power BI
Databases	MySQL
Frameworks	Streamlit, Flask
Deployment	AWS (basic)
Environment	Jupyter Notebook, VS Code, PyCharm
AI Tools	ChatGPT, Gemini (for automation and insights)
Statistics	Descriptive Stats, Hypothesis Testing

Projects

Student Performance Indicator
March 2025

- Developed a regression pipeline to predict math scores based on demographic and academic factors like gender, lunch type, and test preparation.
- Performed detailed EDA and feature engineering to enhance model insight and prediction accuracy.
- Trained multiple models (Random Forest, XGBoost, CatBoost) with hyperparameter tuning; achieved R^2 score of 87% on test data.
- Structured project with modular scripts and custom logging, prepared for CI/CD deployment to AWS Elastic Beanstalk via GitHub Actions.
- **Tools & Technologies:** Python, Scikit-learn, Pandas, XGBoost, CatBoost, Git, GitHub Actions, AWS (planned)

HR Analytics Dashboard
Feb 2025

- Designed and developed a dynamic HR analytics dashboard in Power BI to analyze employee attrition, job satisfaction, and compensation trends.
- Identified that employees aged 26–35 had the highest attrition (50%+), highlighting potential issues in early-mid career engagement.
- Revealed 83% of attrition occurred among employees earning less than ₹5K monthly, indicating strong correlation between low pay and attrition.
- Pinpointed Laboratory Technicians and Research Scientists as most vulnerable roles, accounting for 82% of total attrition.
- Observed that attrition peaks at 1 year (28.5%), suggesting need for stronger onboarding and retention strategies.
- Enabled department-wise filtering and gender-based insights to empower strategic HR decision-making.
- **Tools & Technologies:** Power BI, DAX, Data Modeling, Data Cleaning, Visualization

Education

Gandhi Institute of Engineering and Technology(GIET) *Gunupur, Odisha*

B.Tech. in Computer Science and Engineering *CGPA : 7.2*