

# Shalini Nanda

JUNIOR DATA SCIENTIST | DATA ANALYST | EX-SENIOR SOFTWARE ENGINEER

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## Summary

Analytical and detail-oriented professional with 2 years of fintech project experience, now focused on solving business challenges through data science. Skilled in Python, SQL, and analytics with hands-on projects in ML and visualization. Quick to adapt and well-acquainted with AI tools like ChatGPT for prompt-driven insights and automation.

## Work Experience

### Capgemini

Pune, Maharashtra

SENIOR SOFTWARE ENGINEER

April, 2021 - 2023

- Developed and optimized data models and SQL queries to streamline financial reporting processes for a European banking client, driving enhanced efficiency and accuracy.
- Implemented rigorous data validation techniques, ensuring high-quality, reliable datasets that supported accurate and consistent financial reporting.
- Collaborated with multi-disciplinary teams to automate data workflows, manage version control, and enable smooth integration and deployment for data-driven decision-making.

## Skills

<b>Programming</b>	Python, SQL
<b>Libraries</b>	NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn
<b>Machine Learning</b>	Regression, Classification, Clustering, PCA, Time Series (ARIMA, Prophet), Model Evaluation & Tuning
<b>Visualization</b>	Power BI, Matplotlib, Seaborn
<b>Databases</b>	MySQL, PostgreSQL
<b>Frameworks</b>	Streamlit, Flask, FastAPI
<b>Deployment</b>	AWS (basic)
<b>Environment</b>	Jupyter Notebook, VS Code, PyCharm
<b>AI Tools</b>	ChatGPT, Gemini (prompting & automation), LangChain
<b>Statistics</b>	Descriptive Statistics, Hypothesis Testing, A/B 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