Darpan Banerjee

Puncha, Purulia, 723151

✉ *banerjeedarpan0108@gmail.com* | ☎ *8016052910*

GitHub: *https://github.com/Darpan2000-web*

LinkedIn: *https://www.linkedin.com/in/darpan-banerjee/*

✤ Professional Summary

Data Analyst with hands-on experience in Python, SQL, and Power BI, specializing in data cleaning, visualization, and insight generation. Built end-to-end analytical projects including machine learning models and interactive dashboards. Adept at analyzing structured datasets, identifying trends, and delivering data-driven recommendations. Passionate about solving real-world business problems using data.

🔧 Technical Skills

- **Programming & Analysis:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL
- **Machine Learning:** Scikit-learn (Regression, Classification, Model Evaluation)
- **Data Visualization:** Power BI, Matplotlib
- **Databases:** MySQL (Joins, Subqueries, Group By, Aggregations, Window Functions)
- **Tools:** Jupyter Notebook, Google Colab, VS Code, Git, GitHub
- **Concepts:** Data Cleaning, EDA, Statistical Analysis, Data Modeling, Dashboarding

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🖼 Projects

🧠 House Price Prediction (Machine Learning)
- Built regression model using Python and Scikit-learn to predict housing prices
- Performed data cleaning, feature engineering, and model evaluation
- Achieved strong predictive performance using cross-validation techniques
- Implemented end-to-end ML pipeline from data preprocessing to model evaluation
- Git-Hub: https://github.com/Darpan2000-web/House_Price_Prediction_Project

📊 Data Analysis Projects
- Conducted exploratory data analysis (EDA) on multiple datasets using Pandas and NumPy.
- Identified trends, patterns, and key business insights
- Built Power BI dashboards for interactive reporting and performance monitoring
- Applied SQL queries to extract and analyze structured data
- Git-Hub: https://github.com/Darpan2000-web?tab=repositories

🌐 Frontend Web Development
- Developed **Amazon** and **Netflix** UI clones using HTML, CSS, JavaScript
- Git-Hub: https://github.com/Darpan2000-web/webpage_clone

💼 Work Experience

Assistant Professor – Data Science & Data Analysis (Practical)
 ABS Academy…., Durgapur
March 2025 – Present

- Conduct hands-on training in Data Analysis and Machine Learning using Python (Pandas, NumPy, Scikit-learn)
- Perform data cleaning, exploratory data analysis (EDA), and visualization on structured datasets
- Demonstrate regression and classification models with real-world datasets and evaluate performance metrics
- Guide students in building end-to-end data analysis projects including preprocessing, modeling, and interpretation
- Develop practical assignments focused on SQL queries, data transformation, and insight generation

Network Administrator – TCS Online Examination Center
Sarthak Educational Trust-16678 (TCS Examination Center)
March 2025 – Present

- Managed network infrastructure and system configuration for large-scale online examinations
- Monitored system performance and ensured zero downtime during critical operations
- Performed troubleshooting of network connectivity, system security, and hardware issues
- Coordinated technical setup to maintain seamless examination workflow

🎓 Education

M.Sc. in Computer Science — Sidho-Kanho-Birsha University, 2023 | Score: 83.75%

B.Sc. in Computer Science — MANBHUM MAHAVIDHYALAYA, Manbazar, 2021 | Score: 88.7%

TCS National Qualifier Test (NQT-2026) – 71.36%

Foundation Section: 70.97% | **Advance Section:** 76.19% | **Programming Section:** 67.70%

🏆 Certifications

Diploma in IT | Mathematics in Deep Learning | Data Analysis using Python

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🔗 Additional Information

- Open to relocation across India for Data Analyst opportunities
- Available for full-time corporate roles
- Actively building advanced analytics portfolio (SQL, Python, Power BI)
- Strong analytical and problem-solving mindset with continuous upskilling focus