

Srijani Das

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PROFESSIONAL SUMMARY

Results-driven Data Scientist and academic topper with expertise in architecting end-to-end machine learning pipelines. Adept at leveraging advanced statistical modelling and NLP to drive actionable, data-driven decision-making in product-focused environments.

EDUCATION

Master of Science in Data Science and Analytics 2026
NSHM Knowledge Campus Kolkata | **1st Rank** in Overall Curriculum CGPA 9.46

Bachelor of Computer Applications 2024
B. P. Poddar Institute of Management & Technology | **Department Topper** in 2nd & 3rd Year CGPA 8.93

WORK EXPERIENCE

Data Mining and Analytics Intern Oct 2025 – Jan 2026
UptoSkills Remote

- Restructured 600+ institutional records, resolving hierarchical inconsistencies to improve analytical reliability.
- Standardized 20+ data fields via accreditation portals and quality-control annotations for data accuracy.
- Engineered pattern-recognition methods resolving data ambiguity, reducing errors and accelerating workflows.

Machine Learning Engineer Intern Jul 2025 – Sep 2025
Technocolabs Softwares Inc. Remote

- Secured production deployment by achieving 99% accuracy through intensive XGBoost hyperparameter tuning.
- Led a 4-member team to architect and evaluate XGBoost, Gradient Boosting, and Linear Regression models.
- Optimized datasets via multivariate EDA and feature reduction techniques to boost predictive performance.

PROJECTS

Multimodal Semantic Risk Engine (srijani.srsfintech.in) | Python, Scikit-learn, Nomic AI Jan 2026 – May 2026

- Architected a macroeconomic risk engine fusing quantitative metrics with 768-D vectorized news archives.
- Implemented an unsupervised GMM with Bry-Boschan smoothing, achieving a perfect 1.00 Hit@5 recall score.
- Deployed a Dockerized Streamlit dashboard mapping natural language queries to historical analogues.

Data Edifire (edifire.streamlit.app) | Python, Machine Learning, Streamlit, Plotly Jul 2023 – May 2024

- Developed a full-stack analytics platform streamlining EDA via automated raw data preprocessing pipelines.
- Integrated Regression and K-Means models to enable automated trend forecasting and pattern classification.
- Designed dynamic Plotly dashboards translating complex datasets into real-time visual insights.

TECHNICAL SKILLS

Languages | Python, R, SQL, Bash, Java
Frameworks | Streamlit, Hugging Face
Developer Tools | Git, Docker, Visual Studio Code, Power BI, Jupyter Notebook, MongoDB, Oracle Database
Libraries | Pandas, NumPy, Matplotlib, Seaborn, Plotly, BeautifulSoup, Statsmodels, Requests
Certifications | AWS Machine Learning Foundations, AWS Data Engineering, IBM Artificial Intelligence, R for Data Science Udemy

PUBLICATIONS

Machine Learning as an Economic Shield: Forecasting Agricultural Price Volatility (Springer ACSAR) 2026
Fear, Volatility, and Market Segmentation: Asymmetric Spillovers in Equity Markets (DOI) 2026
The Interwoven Factors that Shape the Performance of an Indian Student (DOI) 2025