

Sanskar Swarup Das

Bengaluru, India | sanskarswarup.d@gmail.com | +91-8249843489 | linkedin.com/in/sanskarsdas

PROFESSIONAL SUMMARY

MSc Data Science graduate with experience in ML model development and validation, statistical modeling, ETL data engineering, and AI-driven analytics. Proven ability to build scalable ML pipelines and translate complex data into actionable insights for cross-functional stakeholders. Targeting Data Science, AI/ML, Data Engineering, Quantitative Analytics, and Associate Analyst roles.

TECHNICAL SKILLS

Languages & Tools: Python, R, SQL, Bash, Git, Jupyter Notebook

AI/ML: scikit-learn, PyTorch, TensorFlow, LangChain, NLP, Transformers, Zero-Shot Learning, Reinforcement Learning, Transfer Learning, RAG, Generative AI, LLMs, Agentic AI, BigQuery

Data Eng. & Analytics: ETL Pipelines, PySpark, Data Validation, Anomaly Detection, EDA, Feature Engineering, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau

Quant. & Statistics Methods: Linear/Logistic Regression, Time Series Modeling, Hypothesis Testing, Econometric Analysis, Model Validation & Benchmarking, Numerical Analysis

Cloud & Databases: Azure (AI-900 Certified), Google Cloud Platform (GCP), MySQL, MongoDB, Azure IoT

PROFESSIONAL EXPERIENCE

Cognifyz Technologies

Data Science Intern

Dec 2025 – Jan 2026

- Designed, trained, and validated end-to-end ML models (classification, regression) using scikit-learn and PyTorch; assessed conceptual soundness of specifications, achieving 85% predictive accuracy.
- Benchmarked multiple model architectures against baseline methodologies using AUC-ROC, F1-score, and RMSE; iteratively refined hyperparameters to improve prediction reliability by 18%, documenting model limitations for stakeholder review.

TuSimple – Freelance

Data Analyst

Jul 2025 – Sep 2025

- Engineered automated Python ETL data pipelines with embedded data quality validation and anomaly detection checks, reducing manual reporting effort by 40% and minimising data errors across large-scale operational datasets.
- Optimised SQL queries on large-scale datasets improving reporting efficiency by 30%; applied data wrangling and validation to ensure input reliability for downstream analytical models.

REVA University Bengaluru

Senior Associate – AI & Analytics Club

May 2025 – Dec 2025

- Delivered 10+ technical workshops on ML, Generative AI, and statistical modeling; mentored 30+ students in Python, R, and model evaluation, engaging 200+ participants and establishing industry connections bridging research with real-world AI engineering.

RESEARCH & PROJECT EXPERIENCE

Zero-Shot Epidemiology: Deep Learning & Time Series Forecasting

REVA University — PyTorch, Transfer Learning, Time Series Modeling, Statistical Validation — **Best Paper – RENPER**

Aug – Dec 2025

Int'l Conf. 2025

- Architected and validated a scalable deep learning time series forecasting framework (PyTorch, transfer learning) across 15+ pathogen types; assessed conceptual soundness, model assumptions, and numerical robustness without disease-specific training data, benchmarked against 5 alternative models using RMSE, MAE, and confidence intervals, and applied statistical hypothesis testing to assess reliability under data shift, producing an award-winning peer-reviewed technical report communicating findings and model risk to public health stakeholders.

Crop2Nutri: AI/ML Predictive Analytics

REVA University — Logistic Regression, NLP, Reinforcement Learning, Econometric Forecasting, Big Data

Aug 2025 – Jan 2026

- Built and validated predictive ML models (logistic regression, NLP, RL agents) processing 10,000+ kg of data; applied econometric forecasting across 50+ institutions achieving 35% waste reduction; designed scalable ETL pipelines and RL allocation system targeting 25% delivery improvement.

SensiBELL: IoT Anomaly Detection & Risk Monitoring

REVA University — Azure IoT, Statistical Thresholding, Anomaly Detection, Cloud Integration, Circuit Design

May – Jun 2025

- Built a real-time statistical anomaly detection system across 500+ rural households; defined risk thresholds and performance metrics, validated model robustness under edge-cases, and deployed Azure IoT automated control pipelines delivering multi-channel alerts within seconds – reducing accident risk by 45%.

CERTIFICATIONS

Azure AI Fundamentals (AI-900) – Microsoft, Jun 2025 | **LangChain, Python** – LangChain, May 2026 | **Google Cloud**

Modernisation – Google, Aug 2023

Software Engineering VE – Goldman Sachs, Jun 2023 | **Cyber Threat Management** – Cisco, May 2023

EDUCATION

REVA University, Bengaluru

Master of Science in Data Science

Sep 2024 – Oct 2026

CGPA: 9.27 / 10

Dharanidhar University, Kendujhar

Bachelor of Science in Computer Science

Aug 2021 – Aug 2024

CGPA: 9.1 / 10