Nitish Nama

Data Science

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- 📍 Jaipur, Rajasthan

Professional Experience

Associate, *Celebal Technologies PVT LTD* ⧉
07/2024 – 08/2025 | Jaipur, Rajasthan
Led a team of 10 engineers as Team Lead/Project Manager, ensuring timely delivery of projects. Delivered end-to-end MLOps workflows integrating data engineering, modeling, and deployment.

Jr. Associate, *Celebal Technologies PVT LTD* ⧉
06/2023 – 06/2024 | Jaipur, Rajasthan
Developed ML/DL models for forecasting and anomaly detection, built CI/CD pipelines with Azure ML, Databricks & Docker, and delivered end-to-end MLOps solutions with client collaboration.

Data Science Intern, *Upflairs* ⧉
06/2022 – 08/2022 | Jaipur, Rajasthan

Education

Bachelor of Technology,
Poornima Group of Institutions ⧉
11/2020 – 06/2024 | Jaipur, Rajasthan

Certificates

- Azure Data Scientist Associate ⧉
- Azure AI Engineer Associate ⧉
- Azure AI Fundamentals ⧉
- Azure Fundamentals ⧉
- Azure Data Fundamentals ⧉
- Databricks Machine Learning Associate ⧉

Publications

AI in Medical Healthcare, *International Journal of Scientific Research in Engineering & Management* ⧉
04/04/2024

Summary

Results-driven AI/ML engineer with 2+ years of experience in time-series forecasting, machine learning, deep learning, and MLOps, particularly in the energy sector. Proficient in Python, Microsoft Azure, Docker, and Git/GitHub. Experienced in building and deploying ML models, and setting up CI/CD pipelines for automated retraining and monitoring. Proven ability to deliver actionable insights that support data-driven decision-making. Passionate about applying AI to solve real-world problems and drive business impact.

Skills

Language
Python

Data Science
Machine Learning, Deep Learning, Time Series Forecasting, OpenCV, OpenAI, Statistics, Feature Engineering, Anomaly Detection

MLOps
MLflow, Docker, CI/CD

Libraries
Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-Learn, PyTorch, Tensorflow

Cloud
Microsoft Azure

Version Control
Git & GitHub, Azure DevOps

Database
SQL

API Frameworks
Flask, FastAPI, Django Rest Framework, Dash

Others
Databricks, Postman

Soft Skills
Leadership, Problem Solving, Communication, Teamwork

Awards

Spot Award, *Celebal Technologies PVT LTD* ⧉
04/06/2025

Projects

Project 1 – Role : Data Scientist/Developer/MLOps Engineer

Roles and Responsibilities:
- Implemented secure authentication by integrating Azure Active Directory (AAD) with a Dash-based UI for role-based access.
- Engineered domain-specific features like irradiance tilt and power curves to boost forecasting accuracy.
- Integrated intraday and interday forecasting for real-time short-term predictions and long-range planning.
- Optimized Temporal Fusion Transformer (TFT) and DeepMC algorithms for dynamic multi-horizon forecasting.
- Led the Go Live deployment of forecasting models with production monitoring workflows.
- Automated environment creation and provisioning in Azure ML using CI/CD pipelines for scalability.

Technology Used: Azure Active Directory, Dash, Python, Temporal Fusion Transformer (TFT), DeepMC, Azure Machine Learning, CI/CD (Azure DevOps).

Project 2 – Role : MLOps Engineer

Roles and Responsibilities:
- Designed and deployed CI/CD pipelines for backend and frontend apps hosted on private Azure App Services.
- Configured secure deployments using private endpoints and secrets management to protect sensitive data.
- Set up self-hosted agents in Azure DevOps to enable deployments in restricted environments with no public access.

Technology Used: Azure DevOps, Azure App Service, Azure Key Vault, Private Endpoints, Docker, Git.

Project 3 – Role : Data Scientist

Roles and Responsibilities:
- Developed an image classification model to categorize images based on utilization percentage.
- Registered the model in Databricks Model Registry and built an automated ML workflow pipeline.
- Implemented a Delta Live Tables (DLT) pipeline to process and manage large-scale image datasets.

Technology Used: Databricks, Delta Live Tables, Databricks Model Registry, Python, MLflow, Scikit-Learn / PyTorch.

Project 4 – Role : Data Scientist

Roles and Responsibilities:
- Generated synthetic fraud data and applied anomaly detection algorithms for fraud identification.
- Built an interactive Streamlit UI with visual analytics and fraud alert dashboards.
- Integrated OpenAI APIs to generate dynamic summaries and enable Q&A functionality in the app.

Technology Used: Streamlit, Python, Anomaly Detection (Scikit-Learn / PyOD), OpenAI API, Pandas, Plotly.

Project 5 – Role : Django Developer

Roles and Responsibilities:
- Built and deployed RESTful APIs using Django REST Framework to enable chatbot functionality.
- Designed a real-time event processing architecture with Azure Event Hub for scalable messaging.
- Integrated speech-to-text with WebSockets for real-time voice input and processing.
- Enabled microservice communication via Apache Kafka for distributed backend services.
- Developed additional services for image generation and web scraping using OpenAI APIs and Azure Event Hub.

Technology Used: Django REST Framework, Python, Azure Event Hub, Apache Kafka, OpenAI, Azure, Docker.