UTKARSH DIXIT

Dixit171200@gmail.com | +91-7037726548 | www.linkedin.com/in/dixitutkarsh00

Profile

Ambitious and focused AI & Data Scientist with expertise in NLP, Generative AI, Big Data, and MLOps. Experienced in real-time AI workflows, AI Agent Automation, and deploying scalable AI-driven applications. Passionate about bridging AI research with real-world impact.

Education

M.Tech in Computer Science (AI & ML) | Bennett University | May 2025 | SGPA: 9.38
B.Tech in Computer Science | GLA University | May 2023 | CGPA: 6.9

Key Projects

Real-Time Financial Fraud Detection
- Developed a Kafka-based fraud detection pipeline, reducing false alerts by 30%.
- Implemented anomaly detection using Isolation Forest and AutoEncoders.

E-Commerce Demand Forecasting
- Built LSTM-based demand prediction models & deployed on AWS using FastAPI.
- Enhanced product forecasting accuracy by 15% with Transformer models.

Automated SEO Blog Writing Agent
- Developed an AI Agent to auto-generate LinkedIn blogs from a topic input trigger.
- Automated content generation workflow using NLP transformers and API integration.

English to Hindi Language Translation
- Trained BART, MBART, and LSTM-based models for translation achieving 98.6% accuracy.

Twitter Sentiment Analysis
- Implemented BERT-based sentiment analysis model with 99.64% accuracy on 32K tweets.
- Performed a comparative study on LSTM, XLNet, RoBERTa, ALBERT models.

Flower Classification
- Implemented CNN, ResNet, GAN, and denoising models for image classification.

Advanced Breast Cancer Detection
- Developed an SVM-based classification model achieving 97% accuracy.
- Conducted extensive exploratory data analysis to enhance feature selection.

Technical Skills
- Programming: Python, SQL, JavaScript
- Frameworks: TensorFlow, PyTorch, Scikit-learn, NLP (Transformers, BERT)
- Big Data: Apache Spark, PySpark, Kafka, BigQuery
- MLOps: FastAPI, Docker, Kubernetes, AWS Lambda
- Visualization: Power BI, Tableau, AI Workflow Automation

Internship Experience

AI Agent Architect Intern

- Developed AI workflows for automating AI Agents, including an SEO Blog Writing Agent.
- Worked on designing intelligent automation for AI-driven content generation.

GLA University | DevOps AWS
- Collaborated in cloud-based website deployment and hosting.

Fulgent Technologies | Web Development
- Developed a pharmacy & hospital management system with backend integration.