Ishita Das

Machine Learning Engineer

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Summary

Machine Learning Engineer experienced in building scalable ML pipelines, NLP models, and predictive analytics systems. Passionate about leveraging data-driven insights for automation and decision-making.

Technical Skills

Languages: Python, SQL, R
Libraries: NumPy, Pandas, scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn
Concepts: Regression, Classification, NLP, CNNs, LSTMs, Transformers
Tools: Jupyter, Git, Docker, Streamlit, Airflow
Cloud: AWS S3, Lambda, EC2, SageMaker

Education

Amity University, Noida *B.Tech in Artificial Intelligence and Data Science*
Aug 2021 – May 2025
CGPA: 9.01/10
Relevant Coursework: Machine Learning, Neural Networks, Big Data Analytics, Cloud Computing, Statistics

Experience

ML Engineer Intern — InnovateAI Research Labs *Jun 2024 – Oct 2024*

- Designed a BERT-based resume classification model achieving 93% accuracy.

- Built an NLP pipeline for text preprocessing, tokenization, and feature extraction.

- Deployed inference API using FastAPI on AWS Lambda with CI/CD automation.

Data Science Intern — AnalytIQ Pvt. Ltd. *Jan 2024 – Apr 2024*

- Implemented regression models for customer churn prediction (AUC = 0.87).

- Visualized insights via interactive dashboards using Streamlit and Plotly.

Projects

Sentiment Analyzer for Social Media — Python, Transformers, Flask

- Deployed real-time sentiment analysis dashboard using Twitter API and BERT embeddings.

Resume Screening System — TF-IDF, Cosine Similarity, Streamlit

- Built an AI-based resume ranking app for recruiters reducing screening time by 60%.

Achievements

- Secured 2nd Place in Amity AI Hackathon 2024.

- Awarded "Best Research Poster" at IEEE ML Symposium 2023.

- Published research paper on "Explainable AI in Resume Screening".

Certifications

- Deep Learning Specialization — Coursera (Andrew Ng)

- Natural Language Processing — Stanford Online

- Machine Learning for Cloud — AWS Academy

Leadership & Extracurriculars

- Vice President, Amity AI Club — Hosted 3 workshops on Data Science.

- Volunteer, IEEE Student Chapter — Coordinated national ML Challenge 2024.

- Mentor, Amity Innovation Hub — Guided 10+ student ML projects.