

Gulshan Likhar

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EXPERIENCE

Amazon ML Summer School 2025

Remote

Machine Learning Student

August 2025 – September 2025

- Selected among Top 3,000 out of 60,000 applicants for Amazon's prestigious ML Summer School program covering advanced Machine Learning, Deep Learning, and Generative AI concepts
- Collaborated with industry experts on real-world ML problems and best practices for production ML systems

Graphic Design Intern

NIT Warangal

Team Lead

October 2024 – January 2025

- Led a cross-functional team of 5 designers to create 10+ high-impact digital assets for college events and initiatives
- Increased audience engagement by 44% through innovative design strategies and data-driven content optimization

PROJECTS

Store Demand Forecasting System | *Python, TensorFlow, Keras, LSTM, CNN, Pandas, NumPy*

2024

- Developed hybrid deep learning model (BiLSTM+CNN) for time-series demand prediction across retail stores, reducing forecasting error by 10-15% (Test MSE 0.013) compared to baseline models through feature engineering
- Implemented data preprocessing pipeline for 100K+ records and designed ensemble methods capturing temporal patterns, enabling automated retraining for changing demand patterns

Fraud Detection System | *Python, TensorFlow, Scikit-learn, XGBoost, Imbalanced-learn*

2024

- Built Deep Neural Network classification model achieving 95.6% F1-score, 93.7% precision, and 97.7% recall on highly imbalanced dataset, addressing severe class imbalance using SMOTE and ensemble techniques
- Performed comprehensive feature engineering with transaction patterns and anomaly scores, optimized DNN with dropout regularization and hyperparameter tuning for production deployment

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL

Libraries : TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Developer Tools: Git, GitHub, Jupyter Notebook, VS Code, Google Colab, Streamlit

Core Competencies: Data Structures & Algorithms, Machine Learning, Deep Learning

Soft Skills: Problem Solving, Adaptability, Team Collaboration, Time Management, Effective Communication

Areas of Interest: Software Development, Machine Learning, Deep Learning, Data Science

EDUCATION

National Institute of Technology Warangal

Warangal, India

Bachelor of Technology in Chemical Engineering; CGPA: 6.95

June 2023 – June 2027

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Deep Learning

ACHIEVEMENTS & CERTIFICATIONS

Amazon ML Challenge 2025 – Top 100 Rank: Led a team of 4 to design high-performance ensemble model (XGBoost, LightGBM, CatBoost) achieving 52.13% SMAPE among thousands of participants

Amazon ML Summer School 2025: Selected among Top 3,000 out of 60,000 applicants for intensive training in advanced ML, Deep Learning, and Generative AI

JEE Mains 2023: Ranked in Top 1.6% out of 1.1 million students and qualified for JEE Advanced

550+ DSA Problems: Demonstrated strong algorithmic problem-solving skills on LeetCode and other competitive programming platforms

Data Science Certification: Completed comprehensive certification covering ML algorithms, statistical analysis, and data visualization

Data Structures & Algorithms Certification: Mastered core DSA concepts including arrays, trees, graphs, dynamic programming, and sorting algorithms