FirstName LastName

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LinkedIn Name GitHub Kaggle Web Google Scholer

Profile

Analytical and self-driven individual with a strong interest in solving real-world problems using data analytics and machine learning. Quick to learn, detail-oriented, and motivated to apply data-driven approaches in impactful ways.

Professional Experience

01/2024 – 05/2025

Your Organization Name
Machine Learning Intern: Advanced Modeling & MLOps

- Developed and fine-tuned deep learning models (CNN, BiLSTM, and Transformer-based architectures) for time series forecasting and image classification tasks.
- Implemented advanced feature engineering and dimensionality reduction techniques (PCA, t-SNE, UMAP) to enhance model performance.
- Integrated model versioning and automated training pipelines using MLflow, DVC, and Git.
- Deployed models using Docker and FastAPI on AWS EC2 with CI/CD via GitHub Actions.
- Conducted hyperparameter tuning with Optuna and evaluated model drift and retraining strategies.

Education

01/2020 – 12/2024
Dhaka, Bangladesh

BSc in Computer Science and Engineering
University of ABCD, Bangladesh
Thesis: Write your thesis title or describe some interesting achievements and CGPA.

Skills

Programming Languages
Python, R, Java, C++, SQL

Machine Learning and GenAI
Libraries/Frameworks:- scikit-learn, PyCaret, NLTK, Gensim, PyTorch, TensorFlow, Keras, OpenCV, Hugging Face, LangChain
Models:- YOLO, GPT, BERT, DeepSeek

Data Management
MS SQL Server, Azure Cloud, Snowflake, SAP HANA, SAP BW

Soft Skills
Communication, Critical thinking, Data storytelling, Teamwork, Adaptability, Eagerness to learn

Data Analytics
Pandas, Polars, NumPy, Matplotlib, Plotly, Seaborn, Spreadsheet, MS Excel, Google Looker Studio, Power BI

Projects

Sales Insights Dashboard with Power BI
Developed an interactive dashboard for a retail company to analyze sales, customer segmentation, and regional performance. Used Power Query for data cleaning, DAX for calculated KPIs (YoY growth, profit margin), and slicers for dynamic filtering. Deployed dashboard for executive reporting.

Customer Churn Prediction using XGBoost and Random Forest
Built a statistical ML model to predict telecom customer churn. Performed feature engineering, handled class imbalance with SMOTE, and evaluated model performance using ROC-AUC and confusion matrix. Interpreted results using SHAP values for stakeholder transparency.

Defect Detection in Manufacturing Using YOLOv5
Created a real-time object detection model to identify defects (scratches, cracks) in product images from an assembly line. Labeled data using Roboflow, trained YOLOv5 with custom dataset, and deployed the model for batch inspection via OpenCV.

Resume Summarizer & Job Matcher with GPT-4 + LangChain
Built a GenAI tool that summarizes resumes and matches them with job descriptions. Used OpenAI's GPT-4 via LangChain with semantic search using FAISS. Integrated into a user-friendly Streamlit interface for interactive use.

Publications

05/2021 **BnVec: Towards the Development of Word Embedding for Bangla Language Processing**

Languages

Engilsh (C1)

German (A2)

Benglai (Native)

Awards

Kaggle Competition
Achieved top 15 position out of 120 teams in a Kaggle competition focused on NLP-based text classification. Built and fine-tuned transformer models for accurate label prediction on unstructured text data.

Courses

- Basic to Advanced Python
- Data Science and Machine Learning with Python
- Data Analysis Specialization
- Deep Learning & Generative AI
- Applied Statistics for Data Scientists with R
- Big Data Engineering