



MD. ARIF SHEKH

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OBJECTIVE

To secure an entry-level Junior Machine Learning Engineer position at IBIZN, where I can apply my academic knowledge and passion for data science to contribute to the development of innovative AI solutions and grow my expertise in a dynamic, professional environment.

PROFILE

Highly motivated and analytical recent Computer Science & Engineering graduate from IUBAT, equipped with a strong foundational understanding of machine learning principles, deep learning frameworks, and data manipulation techniques. Eager to apply academic knowledge and practical project experience in Python, TensorFlow/PyTorch, and Scikit-learn to solve real-world problems. Seeking an entry-level Junior Machine Learning Engineer position at IBIZN to contribute to innovative AI solutions and grow within a dynamic team.

EDUCATION

2021-2025

International University of Business Agriculture and Technology

- Bachelor of Computer Science and Engineering (BCSE)
- CGPA : 3.7

2019-2021(HSC)

Rajbari Govt. College

- Science
- GPA : 5.00

2017-2019(SSC)

Rajbari Govt. High School

- Science
- GPA : 5.00

2017-2019(JSC)

Rajbari Govt. High School

- Science
- GPA : 5.00

EXPERIENCE

Internship Experience

Role: Data Scientist Intern

- Company: Akij Group Company Bangladesh, Dhaka, Bangladesh
- Duration: July, 2024 – December - 2024

Responsibilities:

- Assisted in developing and testing 5+ software modules, ensuring functionality and performance.
- Utilized SQL to extract and analyze customer data for reporting, contributing to data-driven decision-making.
- Collaborated with a team to [specific team achievement, e.g., streamline data entry processes, improve system efficiency].
- Developed problem-solving skills and adapted to a professional work environment.

Projects Experience

1. [Project Title 1: Sentiment Analysis of Customer Reviews]

- **Description:** Developed a deep learning model (Transformer-based or LSTM network) to classify sentiment (positive, negative, neutral) from customer reviews, providing actionable insights for product improvement and customer service strategies.
- **Technologies Used:** Python, TensorFlow/Keras, NLTK, Pandas.
- **Key Contributions/Results:** Achieved 97% accuracy on test data; Preprocessed and cleaned 8,000 reviews; Demonstrated understanding of NLP pipelines.

2. [Project Title 2: Image Classification for Product Categorization]

- **Description:** Built a Convolutional Neural Network (CNN) using PyTorch to classify product images into predefined categories.
- **Technologies Used:** Python, PyTorch, OpenCV, Matplotlib.
- **Key Contributions/Results:** Trained model on 10,000 images, achieving 98.5% validation accuracy; Implemented data augmentation techniques.

3. [Project Title 3: Customer Churn Prediction Model]

- **Description:** Developed a machine learning model (Logistic Regression, Random Forest) to predict customer churn based on historical data.
- **Technologies Used:** Python, Scikit-learn, Pandas, Seaborn, SQL (for data extraction).
- **Key Contributions/Results:** Identified key features influencing churn; Model achieved an AUC score of 0.945; Provided insights for retention strategies.

SKILLS

- **Programming Languages:** Python (Advanced), SQL, Java (Basic)
- **Machine Learning Libraries:** Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- **Deep Learning Frameworks:** TensorFlow, Keras, PyTorch
- **Data & Databases:** SQL, NoSQL (e.g., MongoDB - basic understanding), Data Cleaning, Feature Engineering, Data Visualization
- **Tools & Platforms:** Git, Jupyter Notebooks, Google Colab, [AWS Sagemaker (basic), Google Cloud Platform (basic)]
- **Concepts:** Supervised Learning, Unsupervised Learning, Reinforcement Learning (basic), Natural Language Processing (NLP), Computer Vision (CV), Model Evaluation, Model Deployment (basic MLOps principles)
- **Operating Systems:** Windows, Linux, MacOS

REFERENCE

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