

MOHAMMAD IBRAHIM HOSSAIN

Machine Learning Engineer | Data Scientist | MLOps Specialist

+8801301927872 | mohammad.ibrahim.data@gmail.com | linkedin.com/in/ibrahim-hossain-554198285
github.com/MohammoD2 | [Portfolio](#)

Summary

Data Scientist and Machine Learning Engineer with **2+ years of experience** delivering high-impact AI solutions. Proficient in Python, NLP, deep learning frameworks (TensorFlow, PyTorch), and MLOps, with a proven record of increasing **sales by up to 5%**, achieving predictive model **accuracy up to 95%**, and deploying scalable ML pipelines using Docker and AWS. Skilled in transforming business requirements into actionable data insights, leading cross-functional teams, and mentoring junior data scientists.

Work Experience

Bulipe

Data Scientist (Full-time)

May 2025 – Present

- Developed and deployed an in-house **RAG-based chatbot** with software architecture to automate customer queries, enhance engagement, conduct **A/B testing** experiments, and improve customer support efficiency across the organization **by 30%**.
- Developed predictive algorithms for **future growth forecasting** and business forecasting, enabling data-driven strategic planning with a scalable pipeline on AWS, reducing planning time by **20%**.
- Increased company sales by **5%** through data science-driven insights, optimized workflows, and prototype development, collaborating with a cross-functional team of 5.

AllOfTech

Machine Learning Engineer (Contract) (Part-time, project-based)

Aug 2024 – Present

- Delivered contract-based ML solutions (**chatbots**, recommendation systems, predictive analytics) across 3 client projects, boosting lead conversion rates by **15%** and cutting manual query handling by **20 hours/month per client**.
- Designed and deployed sales forecasting models that improved accuracy to **90%** (**+20% over prior 70%**), enabling more reliable revenue projections.
- Optimized client data pipelines, reducing processing time by **25%** and lowering cloud compute costs by **10%**.

Mashover (Clothing Brand)

Data Science & Machine Learning Specialist

Dec 2023 – July 2024

- Analyzed customer behavior to design targeted marketing campaigns, increasing **sales conversion from 68% → 71%** and improving customer retention by **10%** within 6 months.
- Built predictive demand models that cut overstock costs by **15% YoY**, freeing up over **\$20K in working capital**.
- Deployed ML models into the sales pipeline, improving campaign response time by **20%** and ensuring scalability with input from a 4-member marketing team.

Skills

Machine Learning: Supervised & Unsupervised Learning, A/B Testing, Model Selection, Hyperparameter Tuning, Ensemble Methods, Natural Language Processing (NLP), Classification

Deep Learning: Neural Networks, CNNs, RNNs, Transfer Learning, Model Optimization, TensorFlow

Data Science: Data Cleaning, Data Pipelines, Feature Engineering, Data Representation (SVG/JSON), EDA, SQL & NoSQL databases, Statistical Analysis, Data Preprocessing, Data Visualization, Advanced Statistics

MLOps: CI/CD, Docker, Kubernetes, Automated Testing, Version Control, Model Monitoring, AWS (EC2, S3, SageMaker)

Tools & Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Plotly, Git, DVC, MLflow

Programming Languages: Python (object-oriented programming), SQL, Flask

Soft Skills: Time Management, Teamwork, Stakeholder Collaboration, Multitasking, Problem-Solving

Projects

Real Estate Model App | Python, Docker, AWS, CI/CD | [Code](#)

- Built an AI-powered property prediction and recommendation tool, improving accuracy from **62% → 95%**.
- Deployed with Streamlit, Docker, **CI/CD** (GitHub Actions, DVC), and documented reproducible MLOps workflows.

Sentiment Analysis | TensorFlow, Scikit-Learn, NLP, MLOps

- Enhanced sentiment classifier (positive, negative, neutral, suicidal) achieving **85%+ accuracy**.
- Deployed via Streamlit + **CI/CD**; authored API usage and model fine-tuning documentation.

Movie Recommendation System | Python, Collaborative Filtering, Docker

- Built a real-time recommender system, improving similarity score from **72% → 90%**.
- Containerized with Docker; created integration guidelines for cross-team adoption.

Personal AI Chatbot | Python, NLP, Deep Learning, Streamlit

- Developed a context-aware chatbot with personalized responses and modular design.
- Published tutorials and documentation to support reusability across use cases.

YouTube Comment Analyzer | NLP, AWS, MLOps, Visualization [Code](#)

- Designed an NLP tool to analyze YouTube comment trends using AWS + ML models.
- Produced reports and knowledge-sharing resources for reproducibility.

CBC Report Checker | Medical Data, ML Deployment

- Built a medical web app to analyze CBC reports and deliver automated health insights.
- Created deployment documentation and data handling guidelines for reliability.

Education

CampusX DSMP 2.0

Online

Certificate in Data Science, Machine Learning, and MLOps

- Demonstrated proficiency in **Python, ML, MLOps, CI/CD, Docker, AWS**.

Govt. Bangla College

(Ongoing)

Dhaka, Bangladesh

Aug 2023 – Present

- **Relevant Coursework:** Mathematics, Physics, Computer Science Fundamentals.

- **Self-Led Projects:** Regression model for exam scores; dashboard for scientific data visualization.

Certifications

CampusX DSMP 2.0 Certificate

- Demonstrated proficiency in Data Science, Machine Learning, and MLOps.
- [View Certificate](#)

Languages & Reference

Languages: English: Fluent, Bangla: Native

Reference: Md Sahadad Hossain Parvez

Veterinary Officer, **Bangladesh Military Army**

📞 +8801769333726 📩 parvezvet.86@gmail.com