

M. ABDULLAH JAN

ML / AI ENGINEERING • PYTHON • MACHINE LEARNING

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PROFESSIONAL SUMMARY

Electronics and Computing undergraduate specializing in AI/ML, with hands-on experience across NLP, computer vision, and tabular machine learning. Completed an AI/ML internship at DevelopersHub Corporation building five end-to-end ML projects, and currently working as an ML Engineer Intern at FlyRank AI. Comfortable with the full model lifecycle: data preprocessing, training, evaluation, and Git-based workflows. Seeking an entry-level ML/AI engineering role.

TECHNICAL SKILLS

- Programming: Python, SQL fundamentals
- Machine Learning: supervised learning, model evaluation, classification, data preprocessing
- Deep Learning: neural networks, CNNs, U-Net, semantic segmentation fundamentals
- NLP / Transformers: Hugging Face Transformers, tokenization, pretrained language models (BERT), text classification
- Data & Computer Vision: NumPy, Pandas, Matplotlib, OpenCV
- Tools: Git, GitHub, Jupyter/Colab, Linux

EXPERIENCE

ML Engineer Intern | FlyRank AI

2026 – Present

- Working through practical ML engineering tasks spanning Python, deep learning, computer vision, segmentation, object detection, and transformers.
- Building and refining Python/ML workflows involving data preparation, model training, evaluation, and experimentation.
- Using Git/GitHub and notebook-based workflows to maintain and document technical work.

AI/ML Intern | DevelopersHub Corporation

Feb 2026

- Built five end-to-end ML projects spanning NLP, tabular data, computer vision, and time series: a BERT news classifier, a telecom churn pipeline, a multimodal house price predictor, a stock forecasting model, and a health advisory chatbot.
- Handled the full workflow for each project independently: data cleaning and preprocessing, model selection and training, evaluation, and iteration based on results.
- Applied Git/GitHub for version control and documentation across all internship deliverables.

SELECTED PROJECTS

BERT News Classifier | Python, Hugging Face Transformers, PyTorch

- Fine-tuned a BERT-based transformer model for multi-class news article classification, including tokenization, dataset preparation, and handling class imbalance.
- Evaluated performance using standard classification metrics and iterated on preprocessing and training strategy.

Telco Customer Churn Pipeline | Python, Scikit-learn, Pandas

- Built an end-to-end churn prediction pipeline: data cleaning, feature engineering, model training, and evaluation on telecom customer data.
- Applied supervised classification techniques to predict customer attrition and identify key churn drivers.

Multimodal House Price Predictor | Python, Deep Learning, Computer Vision

- Developed a model combining structured housing data with image features to predict property prices.
- Worked through feature engineering, model architecture, and evaluation for a mixed tabular/image input pipeline.

Stock Price Forecasting Model | Python, Time Series, Machine Learning

- Built a time-series forecasting model to predict stock price trends from historical market data.
- Applied feature engineering and evaluation techniques suited to sequential financial data.

Health Advisory Chatbot | Python, NLP

- Built a conversational chatbot to provide health-related guidance, including intent handling and response logic.

Image Segmentation / U-Net | Python, Deep Learning, Computer Vision

- Implemented U-Net architecture (encoder-decoder, skip connections, Dice loss, IoU) for semantic segmentation and evaluated predictions using segmentation metrics.

EDUCATION

BS Electronics and Computing (BSEC) | COMSATS University Islamabad, Lahore Campus

Expected 2028

- Relevant areas: Programming, electronics/computing, mathematics, machine learning and AI-related coursework.
- Available for full-time entry-level ML/AI opportunities. Portfolio: github.com/JAN-tech404