

ABDUL BASITH P

+91 8943193106 ◇ KERALA

abdulbasithpctr@gmail.com ◇ linkedin.com/in/abdulbasithp ◇ github.com/abdulbasithpctr-123

PROFESSIONAL SUMMARY

Accomplished Master of Science graduate specialised in Artificial Intelligence and Machine Learning from RGNIYD, with a strong foundation in deep learning, data science, and algorithmic modeling. Proficient in Python and Java, with hands-on experience building and evaluating deep learning models using TensorFlow and PyTorch. Skilled in neural network optimization, computer vision, natural language processing, and Explainable AI (XAI), with additional expertise in Knowledge Graphs and Graph Neural Network architectures. Experienced in designing transparent and interpretable AI systems that bridge research and real-world application.

EDUCATION

Rajiv Gandhi National Institute of Youth Development, Sriperumbudur June 2024 - May 2026
MSc. Computer Science (Artificial Intelligence and Machine Learning)

Amal College of Advanced Studies -Calicut University 2020 - 2023
Bachelor of Science - Mathematics and Physics (Double main)

SKILLS

Programming Python, Java, C.
ML Machine Learning, Deep Learning, Scikit-learn, Pandas, Librosa, MFCC
Cloud Oracle Cloud Infrastructure 2025 - Certified AI
Soft Skills Communication, Collaboration, Critical Thinking, Time Management

ACHIEVEMENTS

International Conference

Presented a research paper titled "Review on Battery Modelling and Usage characteristics in Electric Car" at the three-day International Conference on "The New Normal: Crisis Resilience and Re-invention," organized by Amal College of Advanced Studies, Nilambur in February 2022. The conference focused on Computational Mathematics and Applied Physics with Material Science and Engineering.

CERTIFICATION

Oracle AI Foundation Associate OCT 2025
Oracle cloud Infrastructure 2025 [Validate](#)
• Achieved the certification - valid till OCT 2027.

LangChain for LLM application Aug 2024
Deeplearning.AI [Validate](#)

Chat GPT Prompt Engineering Aug 2024
Deeplearning.AI [Validate](#)

Fundamentals of Generative AI Aug 2024
Microsoft [Validate](#)

Fundamentals of Responsible Generative AI Aug 2024
Microsoft [Validate](#)

Responsible Generative AI in AI Studio Aug 2024
Microsoft [Validate](#)

Cloud Computing

Jul–Oct 2025

NPTEL / IIT Kharagpur

[Validate](#)

- Successfully completed a 12-week course with a consolidated score of 71%.
- Online Assignments: 22.91 / 25, Proctored Exam: 47.92 / 75.

Software Engineering

Jul–Oct 2025

NPTEL / IIT Kharagpur

[Validate](#)

- Successfully completed a 12-week course with a consolidated score of 67%.
- Online Assignments: 21.25 / 25, Proctored Exam: 45.25 / 75.

PROJECTS

MedGraph Recommender - Master Thesis Project

2026

Description: A Knowledge Graph and Graph Neural Network-based drug recommendation system, developed as part of the dissertation titled "A Comparative Framework for Evaluating the Interaction Between Embedding Techniques and Graph Neural Network Architectures for Knowledge Graphs." The system evaluates 15 model combinations across five embedding techniques and three GNN architectures.

- Constructed a Biomedical knowledge graph using NetworkX representing drug-disease-symptom relationships.
- Implemented and benchmarked five embedding techniques: Random, TF-IDF, Word2Vec, Sentence-BERT (SBERT), and Node2Vec.
- Evaluated three GNN architectures: Graph Attention Network (GAT), Graph Convolutional Network (GCN), and GraphSAGE.
- Identified GAT + TF-IDF as the best-performing configuration across 15 embedding–GNN combinations.
- Deployed interactive drug recommendation interface using Streamlit.

Tech Stack: Python, PyTorch, PyTorch Geometric, NetworkX, Sentence Transformers, Node2Vec, Gensim, Scikit-learn, Streamlit.

Gold and Silver Price Forecasting

2025

Description: Developed and compared multiple advanced machine learning and time series models (LSTM, ARIMA, and Ensemble Random Forest/Gradient Boosting) to accurately forecast Gold and Silver prices for a two-year horizon.

Tech Stack: Python, TensorFlow/Keras (for LSTM), Statsmodels (for ARIMA), Scikit-learn (for Ensemble Models), Pandas, NumPy, Matplotlib.

EXTRA-CURRICULAR ACTIVITIES

- Inter University South-Zone Men football Participant.
- NCC A-Certificate holder