

Fazil K

AI/ML ENGINEER IN TRAINING | PASSIONATE ABOUT AI PRODUCT DEVELOPMENT

fazilkolthuru@gmail.com

(937)3040562

EXPERIENCE

Aug 2024 – Present

Graduate Research Assistant, Wright State University

- Developed an intelligent content-caching framework using deep learning to optimize data delivery in federated environments.
- Enhanced embedding alignment for unsupervised learning models using smart data exchange techniques.
- Conducted experiments using PyTorch and TensorFlow to validate model accuracy and efficiency.

October 2022 – July 2023

Junior Executive – Network Optimization, Tata Communications

- Implemented monitoring and automation solutions for mobile network optimization.
- Collaborated with cross-functional teams to resolve network anomalies using data-driven approaches.
- Improved KPI metrics by integrating basic ML scripts for trend prediction and anomaly detection.

Jan 2022 – August 2022

Product Developer Intern, Aptean

- Worked on Made2Manage (M2M) ERP software for manufacturing systems.
- Automated report generation modules using Python and SQL.
- Collaborated with QA teams to improve testing scripts and deployment pipelines.

PROJECTS

Traffic Flow Prediction | Python, scikit-learn, LSTM

- Developed a traffic prediction model using time series data and LSTM.
- Achieved 91% accuracy in forecasting traffic congestion using real-world datasets.

Image Segmentation | OpenCV, Python

- Designed a segmentation model for medical images using clustering techniques.
- Evaluated model precision and recall across various sample sizes.

EDUCATION

Aug 2023 – May 2025

MS in Computer Science, Wright State University, USA.

Current CGPA: 3.833 / 4.0

SKILLS

Python, Java, SQL, C++ AI/ML: Scikit-learn, TensorFlow, PyTorch, Keras, OpenCV Tools: Git, Jupyter, VS Code, Linux, Docker, MySQL Concepts: Deep Learning, Model Evaluation, Data Preprocessing, Computer Vision, Time Series Forecasting, NLP. Soft Skills: Problem-solving, Communication, Team Collaboration, Adaptability

CERTIFICATIONS

- Microsoft Azure AI Fundamentals (AI-900)
- Machine Learning with Python – Coursera (IBM)
- Deep Learning Specialization – Coursera (deeplearning.ai)