Gazi Mohammmad Fahim Faiyaz

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LinkedIn · Github

SKILLS

- **Languages & Databases:** C/C++, Python, MySQL, Firebase
- **Libraries & Frameworks:** TensorFlow, PyTorch, Scikit-Learn, Keras, OpenCV, Ultralytics,Flutter
- **Skills:** Machine Learning, Deep Learning, Computer Vision, NLP, Predictive Analytics,Mobile App
- **Tools & Cloud:** Git, Docker, MLflow, AWS, Azure, Jupyter Notebook, Power BI,Roboflow.
- **Methods & Workflow:** Statistical Analysis, A/B Testing, Time-Series Forecasting, Agile (Kanban)
- **Interests:** Data Science, GenAI, AI Research

WORK EXPERIENCE

Computer Vision Engineer
Quantigo AI | December 2024 – Present

- Developed and deployed computer vision solutions for real-time object detection, semantic segmentation, and video analytics using YOLOv8, YOLOv10, and Detectron2.
- Led the design of annotation pipelines and model evaluation frameworks tailored to client-specific image datasets across diverse domains.
- Collaborated cross-functionally with annotation teams and project managers to ensure timely delivery of high-quality training datasets using tools like Roboflow and CVAT.

Technologies: Python, PyTorch, TensorFlow, OpenCV, Roboflow, YOLOv8/YOLOv10, CVAT, Docker, Git.

PROJECTS

1. King County House Price Predictor – End-to-End ML Web Application

Github-Link

- Created a frontend that responds well on all devices and uses FastAPI to deliver real-time predictions on the back end.
- Built and put into service JSON-based RESTful APIs that make it easy for clients to connect.
- I made the entire application as a Docker container, then set up automated CI/CD with GitHub Actions.
- Access to the app was made easy and scalable by deploying it to the cloud with Render.

Technologies: Python, Scikit-learn, XGBoost, FastAPI, HTML/CSS, Docker, GitHub Actions, Render

2. Deep Learning for Brain Tumor Detection Leveraging YOLOv10 for Precise Localization

Github-Link

- Evaluated YOLOv10-S, YOLOv10-M, YOLOv10-N, and YOLOv10-B for MRI-based tumor detection, achieving mAP50 of 0.964.
- I worked on applying object detection tools and deep learning using medical images.

Technologies: Python,TensorFlow, OpenCV, Ultralytics (for YOLOv10).

EDUCATION

Bachelor of Computer Science (CGPA: 3.60)

2020 - 2024

East Delta University

PUBLICATIONS

IEEE International Conference RAAICON 2024 : Deep Learning for Brain Tumor Detection Leveraging YOLOv10 for Precise Localization.

International Conference on Computer and Information Technology (ICCIT) 2024 : A Hybrid Deep Learning Approach For Brain Tumor Detection Using XAI with GradCAM

LANGUAGES

Bangla (Native) · **English** (Fluent) · **Hindi** (Fluent)

3. Popular Bangladeshi Landmarks Recognizer
Developed a deep learning-based image classification model to identify famous Bangladeshi landmarks such as the
Technologies: Python, TensorFlow, Keras, OpenCV
GitHub: https://github.com/07fahim/Popular-Bangladeshi-Landmarks-Recognizer

4. Top FIFA Players Analysis (2012–2025)
Performed data analytics and visualization on FIFA/EA FC player datasets to uncover trends in player performance,
Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Power BI
GitHub: https://github.com/07fahim/Top-FIFA-Players-Analysis-2012-2025

5. Multi-Label Text Classification of Computer Science Research Articles
Built a multi-label NLP classifier to predict arXiv computer science subjects (e.g., cs.LG, cs.AI) from research abstra
Technologies: Python, Hugging Face Transformers, SciBERT, ONNX, FastAPI, Gradio
GitHub: https://github.com/07fahim/Multi-Label-Text-Classification-of-Computer-Science-Research-Articles