

# Mustahid Ahmed

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[Online Version](#)

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🐙 Git

<https://github.com/ahmedmustahid>

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[ahmedmustahid.netlify.app](https://ahmedmustahid.netlify.app)

Python	++++	C++20	++++	C	++++	Dart/Flutter	++++	Swift	+++	Javascript	+++
AWS	++++	🇪🇬	++++	🇪🇬	++++	🇪🇬	++++	🇪🇬	++++	🇪🇬	++++
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## Professional Experiece

IBM 🇪🇬🇪🇬🇪🇬🇪🇬🇪🇬🇪🇬

AI🇪🇬🇪🇬🇪🇬

2025🇪🇬3🇪🇬 - 🇪🇬

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2023🇪🇬7🇪🇬 - 2025🇪🇬2🇪🇬

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2022🇪🇬5🇪🇬 - 2023🇪🇬6🇪🇬

HyperCube🇪🇬🇪🇬🇪🇬

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2020🇪🇬4🇪🇬 - 2022🇪🇬4🇪🇬

Batton🇪🇬🇪🇬🇪🇬

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2023🇪🇬8🇪🇬 - 2023🇪🇬12🇪🇬

AI Idea Lab

( )

20234 - 202312

20204 -

AI, IBM System Engineering

20254 -

LangGraph AI SQL PDF AI FastAPI Agentic

:

- LangGraph AI
- CORS RESTful API
- Matplotlib
- PDF
- Ruff, Basedpyright

Python FastAPI LangChain LangGraph OpenAI API PostgreSQL Pandas Matplotlib Docker

PostgreSQL MCP, Open Source Contributor

20251

HTTP Stdio PostgreSQL MCP Model Context Protocol

- HTTP & Stdio FastAPI RESTful API OpenAPI
- SQL PostgreSQL
- 
- Docker Docker Compose
- 

Python PostgreSQL MCP HTTP Stdio Docker FastAPI

View on GitHub

xiyan\_mcp\_server: Azure OpenAI, llama-cpp-python, & SQLite, Open Source

Contributor

2025-1

xiyan mcp server Azure OpenAI llama-cpp-python HTTP SQLite

Key Features:

- API Azure OpenAI SDK
- HTTP
- llama-cpp-python
- SQLite
- YAML
- 
- 

Python Azure OpenAI llama-cpp-python SQLite HTTP MCP

[View on GitHub](#)

basedpyright mcp, Open Source Contributor

2025-5 -

quack-mcp-server mypy MCP BasedPyright BasedPyright pyright

Key Features:

- basedpyright
- N
- 
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Python HTTP MCP

[View on GitHub](#)

Qualcomm SoC LLM RAG, Pioneer Electronics

2024-4 - 2024-8

faiss llama.cpp RAG

- llama.cpp llama embeddings RAG
- Conan
- GitHub Actions CI/CD

C++ Conan git faiss llama.cpp

, Pioneer Electronics

2023-8 - 2024-3

API

- 
- CI/CD
- 

C++ CMake git CI/CD

## Object Detection on Edge Devices, Sensyn Robotics

2023-02 - 2023-04

Designed and implemented a deep learning model for object detection on edge devices, achieving high accuracy and low latency.

- Optimized model architecture → achieved 95% accuracy on edge devices
- 0.9** FPS on Raspberry Pi 4 → **0.8** FPS on Jetson Nano
- Implemented real-time inference pipeline

Python Pytorch OpenCV mmcv

## Image Classification on Edge Devices, Sensyn Robotics

2022-11 - 2023-04

Designed and implemented a deep learning model for image classification on edge devices, achieving high accuracy and low latency.

- Optimized model architecture → achieved **0.15%** error rate
- C++** + **TVM** for deployment on edge devices
- Implemented real-time inference pipeline on **NVIDIA Jetson Nano**
- Implemented real-time inference pipeline

Python Pytorch OpenCV onnx mmcv Apache TVM ncnn

## Image Classification on Edge Devices, Sensyn Robotics

2022-05 - 2022-07

Designed and implemented a deep learning model for image classification on edge devices, achieving high accuracy and low latency.

- Optimized model architecture → achieved 95% accuracy on edge devices
- CoCo Annotator** + **AWS S3** for data storage and retrieval
- Implemented real-time inference pipeline on **YOLO** + **mAP**
- Implemented real-time inference pipeline

Python Pytorch OpenCV AWS

## NLP on Edge Devices, HyperCube Ltd.

2021-06 - 2021-10

Designed and implemented a deep learning model for NLP on edge devices, achieving high accuracy and low latency.

- AWS Amplify** for deployment on edge devices
- AWS API Gateway** for API endpoints
- AWS Lambda** for serverless deployment
- AWS SageMaker** for ML training and deployment
- Flutter/Dart/Swift for mobile app development

AWS Dart/flutter Swift Docker Git

[View on GitHub](#)

## Image Classification on Edge Devices, HyperCube Ltd.

2021-03 - 2021-05

MySQLデータベースをAzureに接続

- データベースの接続方法
- Azureの接続方法
- WebアプリケーションのAPI
- データベースの接続方法

MySQL Azure Python Git

FAXをOCRで読み取り、Batton Ltd.

2023年8月 - 2023年12月

FAXをOCRで読み取り、97%の精度で読み取り

- FAXをOCRで読み取り
- OCRの精度を97%に上げる
- MLを用いたOCR
- Dockerを用いたML
- TorchServeを用いたHTTP
- GCP Artifact Registry
- Vertex AI

Python Pytorch torchserve OCR Docker GCP

AI Idea Lab Ltd.

2023年4月 - 2023年9月

ControlNetを用いた画像生成

- ControlNetを用いた画像生成
- Gradioを用いた画像生成
- FastAPIを用いた画像生成
- Gradioを用いたFastAPI

Python Gradio FastApi Gradio

GPT-4 AIを用いた画像生成, AI Idea Lab Ltd.

2023年10月 - 2023年12月

OpenAI APIを用いた画像生成

- OpenAI APIを用いた画像生成
- Pythonを用いた画像生成
- Node.jsを用いた画像生成
- WebRTCを用いた画像生成

Python Node.js WebRTC

Memorize Open Source Contributor

2021年6月 - 2021年9月

Swiftを用いた画像生成

- Swiftを用いた画像生成

- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD

Swift Git CI/CD

[View on GitHub](#)

## amusta-chain, Open Source Contributor

202106 - 202109

100% Swift, 100% Git, 100% CI/CD

- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD

javascript Express Node.js Git CI/CD

[View on GitHub](#)

100%

100%

100% Swift, 100% Git, 100% CI/CD [2018 - 2020]

100%

100% Swift, 100% Git, 100% CI/CD [2014 - 2018]

100%

100% Swift, 100% Git, 100% CI/CD [2013 - 2014]

100%

100% Swift, 100% Git, 100% CI/CD

C++ 100% Swift, 100% Git, 100% CI/CD

- C++ 100% Swift, 100% Git, 100% CI/CD
- C++ 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD
- 100% Swift, 100% Git, 100% CI/CD

Python OpenCV PyTorch C++ Git CMake

100% Swift, 100% Git, 100% CI/CD

100% Swift, 100% Git, 100% CI/CD [202003]

100% Swift, 100% Git, 100% CI/CD

100% Swift, 100% Git, 100% CI/CD [201810]



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## MOOCs

- [Deep Learning Specialization](#): Coursera, Stanford Online
- [Algorithm Specialization](#): Coursera, Stanford Online
- [GAN Specialization](#): Coursera, Stanford Online
- [NLP Specialization](#): Coursera, Stanford Online

Categories: Python C++ Algorithms Deep Learning