

Md. Golam Mostofa

MACHINE LEARNING ENGINEER · PYTHON BACKEND DEVELOPER · COMPETITIVE PROGRAMMER · KAGGLE EXPERT

🏠 Uttara, Dhaka, Bangladesh

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"No system is safe, so be careful"

Career Objective

Dynamic Machine Learning Engineer and Back-end Developer with expertise in LLMs, Deep Learning, and Python back-end systems. Passionate about building AI-powered solutions and scalable applications using Django, REST APIs, and cloud technologies. Eager to apply advanced skills to solve real-world challenges and drive innovation.

Work Experience

Serenus One

LLM Engineer

Los Angeles, California, US

Nov 2024 - Current

- **Responsibilities:** Fine-tune and optimize models for performance and accuracy. RAG system implementation. API endpoint making
- **Technical Skills:** Fine-tuning, RAG, Mem0, LangChain, LiteLLM

Devolved AI

Machine Learning Engineer

Uttara, Dhaka, Bangladesh

Mar 2024 - Current

- **Responsibilities:** Develop, implement, and optimize machine learning models(LLMs) and AI applications. Collaborate with data scientists to analyze and preprocess large datasets, and researching in AI and machine learning.
- **Technical Skills:** Generative AI, Build LLM, Fine Tuning, LangChain, NLP, PyTorch, Deep Learning, Federated Learning and KivyMD

Brain Station 23

Intern Software Engineer

Dhaka, Bangladesh

1 Month(Nov 2022)

- Academic intern
- **Technical Skills:** Git and Github.

Competitive Programming and Data Science Experience

LeetCode

Problem Solver

Online Judge

2022 – Current

- I have solved over 340 problems on LeetCode.
- **Handle Name:** [golammmostofa10001](https://leetcode.com/golammmostofa10001)
- **Maximum Contest Rating:** 1433

kaggle

Kaggle Notebooks Expert

Online Judge

2022 – Current

- I enhanced my data science, Machine Learning, and NLP skills through Kaggle competitions.
- **Handle Name:** [golammmostofas](https://kaggle.com/golammmostofas)
- **Maximum Competition Topper:** I am top 5% (44/955) at ["Improve a Fixed Model the Data-Centric Way!"](https://kaggle.com/competitions/improve-a-fixed-model-the-data-centric-way) competition.

Education

- **Bachelor Theses:** M-DBSCAN: Modified DBSCAN Clustering Algorithm for Detecting and Controlling Outliers Of Healthcare Datasets. ([Published Link](#))

Publications

CONFERENCE PROCEEDINGS

M-DBSCAN: Modified DBSCAN Clustering Algorithm for Detecting and Controlling Outliers

Momotaz Begum, Mehedi Hasan Shuvo, Md. Golam Mostofa, Abm Kamrul Islam Riad, Md Arabin Islam Talukder, Mst Shapna Akter, Hossain Shahriar

Proceedings of the 39th ACM/SIGAPP Symposium on Applied Computing, 2024, Avila, Spain

Projects

[Sara's AI Assistant](#)

Serenus One

Current

This is an LLM-based AI assistant that can perform mental health. It is finetuned from ChatGPT 4o-mini, Llama3.2, and Claude.

- **Technical Skills:** Fine Tuning, LiteLLM, Mem0, FastAPI, Langchain

[Athena LLM](#)

Devolved AI

Current

Athena is a large language model, which finetuned Llama-3.1 8b instruction LLM.

- **Technical Skills:** Fine Tuning, Federated Learning, FastAPI, Ollama

[Astra LLM](#)

Self Study

Oct, 2024

The Astra LLM is a base model itself. It has 1.4b parameter.

- **Technical Skills:** Build LLM from Scratch, PyTorch, LLM Architecture

Core Skills

Programming Language Python and C/C++, and JavaScript.

Machine Learning Generative AI, LLM Build, Fine-Tuning, RAG, LangChain, NLP, Deep Learning, CNN, TensorFlow, PyTorch, Open-CV, DeepFace, PySpark, etc.

Web Frameworks Django, REST API, Simple JWT, dj-rest-auth, django-allauth, FastAPI, OAuth-2, and HTML-5, Axios.

CSS Frameworks Tailwind and Flowbite - (Basic).

Database ORM, My-SQL and MongoDB.

Version Control Git and GitHub

Cloud Computing AWS(EC2), Vercel, Railway, Render, PythonAnywhere

Other Technologies Docker, Nginx

Operating System Linux, Mac, Windows

Languages

English Professional proficiency

References

Prof. Dr. MD. Obaidur Rahman

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