TAUFIQUL HAQUE KHAN

https://taufiq.cc/ | contact@taufiq.cc | github.com/2ufiq | linkedin.com/in/taufiq-khan-tusar

Skills

Language	Python, Bash, SQL
AI/ML	transformers, peft, pytorch, nltk, chroma, pgvector, llama-server
LLM APIs	openai, anthropic, perplexity, openrouter, etc.
Backend	django, flask, postgresql, sqlite, celery, caddy
Deployment	aws, digital ocean, render, cloudflare

Experiences

NLP Engineer & Backend Developer *May 2023 - present*

LaLoka Labs *Tokyo 110-0016, Japan (Remote)*

- Built the backend and sub-agents of **KAFKAI V3**.
- Reduced 50% LLM API costs by offloading/routing to task-specific capable models.
- Finetuned, maintained in-house models for complex tasks, API cost-reduction, and data safety.

Projects

- **ChatCopilot**: AgenticAI team for Meta-based businesses. Shows & sales products, understand voice, image, 120 languages..
- **MochaChat**: AI chat with different character inspired from FreeFire.
- **Python Buddy**: A Small Language Model–based Python Coding Assistant for mobile phone.
- **Bengali AI Receptionist**: AI receptionist Flask app with STT, TTS, and face recognition.

Publications

[1] **M. T. H. Khan Tusar** et al., "An Intelligent Telediagnosis of Acute Lymphoblastic Leukemia using Histopathological Deep Learning," Journal of Computing Theories and Applications (JCTA), vol. 2(1), pp. 1–12, 2024. doi: 10.62411/jcta.10358.

[2] J. Hossain, M. T. Islam, and **M. T. H. K. Tusar** "Streamlining Brain Tumor Classification with Custom Transfer Learning in MRI Images," 2023 IEEE Smart Information Systems and Technologies (IEEE SIST), Astana, Kazakhstan, 2023, pp. 522-526, doi: 10.1109/SIST58284.2023.10223507.

[3] **M. T. Haque Khan Tusar**, M. T. Islam and F. I. Raju, "Detecting Chronic Kidney Disease (CKD) at the Initial Stage: A Novel Hybrid Feature-selection Method and Robust Data Preparation Pipeline for Different ML Techniques," 2022 5th IEEE International Conference on Computing and Informatics (ICCI), New Cairo, Cairo, Egypt, 2022, pp. 400-407, doi: 10.1109/ICCI54321.2022.9756094.

[4] **M. T. H. K. Tusar** and M. T. Islam, "A Comparative Study of Sentiment Analysis Using NLP and Different ML Techniques on US Airline Twitter Data," 2021 IEEE International Conference on Electronics, Communications and Information Technology (ICECIT), Khulna, Bangladesh, 2021, pp. 1-4, doi: 10.1109/ICECIT54077.2021.9641336.

Education

BSc in Computer Science & Engineering *Apr 2018 - Nov 2022*

City University *Dhaka 1216, Bangladesh*

- **Thesis:** "Automated Detection of Acute Lymphoblastic Leukemia Subtypes from Microscopic Blood Smear Images Using Deep Neural Networks," doi: 10.48550/arXiv.2208.08992

Community

Community Lead *March 2025 - Present*

AI/ML Professional Community Bangladesh *Bangladesh*

- Organized technical webinars and workshops on AI/ML applications.
- Mentored early-career practitioners in development and career pathways.

Community Organizer *Jan 2025 - Present*

Python Bangladesh *Bangladesh*

- Organized tech meetups and collaborative events for Python developers across Bangladesh.
- Lead initiatives to restart PyCon Bangladesh.

Conferences

- **Speaker,** PyCon ID 2025, Jakarta, Indonesia (14-15 December 2025).
- **Reviewer,** EuroPython 2025, Prague, Czechia (14-20 July 2025).
- **Presenter,** 5th International Conference on Computing and Informatics (ICCI), 2022, Cairo, Egypt.
- **Presenter,** International Conference on Electronics, Communications and Information Technology, 2021, Khulna, Bangladesh.

Blogs

- PyBuddy: A Local-First LLM Coding Assistant for Everyone
- Turn Your Android Device into a Remote Linux Server in 30 Minutes
- Hacks to use Google Colab Free GPU on Local VS-code for Inference
- EXAONE-3.5-2.4B: A Ultra-lightweight but High Performing LLM on Just 6GB GPU