Mustassum "Musti" Tanvir

Full Stack AI Developer

mustassum.tanveer@gmail.com
https://www.linkedin.com/in/mustassum-tanvir
https://www.aibymusti.com/
+92 311 2771705
Karachi, Sindh, 75010, Pakistan

AI/ML Engineer skilled in deploying deep learning models for NLP, CV, audio, and predictive analytics. Expertise in LLMs, RAG pipelines, HuggingFace, GPT APIs, and scalable ML systems using Python, React, and cloud platforms (AWS/GCP).

Work Experience

Full Stack AI Developer
DAM (PVT LTD) | Karāchi, Sindh, Pakistan

May 2025 - Present

• Build fullstack web apps with modern stacks — React, FastAPI, Node.js, Python, and scalable cloud backends (AWS, Fargate, Docker)
• Develop and deploy AI solutions, including fine-tuned models using Unsloth, MLX, and scalable training pipelines
• Create custom AI chatbots with Retrieval-Augmented Generation (RAG), vector databases, and domain-specific tuning
• Deliver end-to-end systems — from UI/UX to backend infra — solving real client problems with AI, automation, and modern web tech

AI Developer
Freelancer- Self employed

Nov 2022 - May 2025

• Developed custom AI models for businesses, including image processing, NLP, and predictive analytics.
• Built full-stack web apps with React, Node.js, and AWS for scalable cloud-based solutions.
• Integrated TensorFlow & PyTorch models into real-world applications.
• Automated workflows and optimized cloud deployments for various clients.

Incubatee
IU CORE | Karāchi, Sindh, Pakistan

Jan 2024 - Jul 2024

• Participated in startup incubation, refining business strategy, product development, and go-to-market plans.
• Engaged in mentorship programs with industry experts to enhance AI product commercialization.
• Conducted market research and user testing to optimize AI-powered hearing aids.
• Networked with investors, entrepreneurs, and industry leaders to explore funding opportunities.

Negotiations Officer
[Appedology Pvt. Ltd.](#) | Karachi, Pakistan

Feb 2022 - Sep 2022

• Successfully negotiated settlements for unpaid medical liens with insurance adjusters in workers' compensation cases.
• Secured optimal reimbursement for medical providers while ensuring compliance with workers' compensation regulations.
• Engaged in persuasive negotiations with adjusters to reduce outstanding lien amounts and expedite payments.
• Reviewed case details, medical records, and policy limits to build strong arguments for settlement discussions.
• Maintained accurate records of negotiations, ensuring all agreements adhered to legal and regulatory requirements.

Projects

ContractWalla: GPT for Lawyers
Sep 2024 - Dec 2024

Developed an AI legal assistant using DeepSeek R1 on SageMaker for contract analysis. Integrated GPT-based insights, real-time legal recommendations, and a secure React/Tailwind web app hosted on AWS to streamline contract review and document generation.

TradeX Crypto Trading Bot
Mar 2025 - Mar 2025

Built a crypto trading bot using ML models (Linear Regression, XGBoost, LightGBM) for BNB/USDT. Integrated FastAPI endpoints, persistent order book, and a React frontend for real-time simulation, trade logic, and market data visualization.

Corsódigo: Course Recommendation App
Apr 2025 - Apr 2025

Developed a personalized course recommendation app using FastAPI, FAISS, and Sentence Transformers. Implemented semantic search, interactive course cards, and user behavior logging to refine suggestions over time, enhancing user engagement and recommendation accuracy.

Core Skills

Web Development: Full-Stack Web Development, React JS, Next JS, Node JS, Tailwind CSS, shadcn/ui

AI Development: Large Language Models (LLM), Retrieval-Augmented Generation (RAG), LangChain, AI Software Development, Artificial Neural Networks

Education

Iqra University (Official)
Jan 2020 - Jan 2024

Bachelor of Science - BS Computer Science

NCR-CET COLLEGE
Jan 2016 - Jan 2019

Intermediate Computer Science

Languages

English *(Fluent)*, **German** *(Advanced)*, **Punjabi** *(Native)*, **Urdu** *(Native)*

Awards

Tied for Second Position at IEEEP STEP'24
Sep 2024

IEEE Pakistan

1st Position Zindigi Prize Startup Competition
May 2024

JS Zindigi

1st Position GetInnovative4Impact Industry 4.0 and IOT Competition
Apr 2024

NED University