Ali Musharaf Baig

AI/ML Engineer

Personal details

Ali Musharaf Baig

alimusharaf.baig@gmail.com

03345308031

github.com/AliMusharafbaig

linkedin.com/in/ali-musharaf-624284282

Skills

- C++ ●●●●●
- Python ●●●●●
- Artificial intelligence ●●●●●
- Machine Learning ●●●●●
- Web development ●●●●○
- Leadership
- SQL ●●●○○
- Public Speaking
- Problem Solving

frameworks

- pytorch ●●●●○
- TensorFlow ●●●●○
- Hugging Face ●●●●○
- LangChain ●●●●○
- fast api ●●●●○
- opencv ●●●●○
- MediaPipe ●●●○○

Profile

AI/ML Engineer with strong hands-on experience in **machine learning, deep learning, LLM-based systems, and computer vision**. Proven ability to design, train, and deploy **production-ready AI solutions**, including RAG pipelines, autonomous trading systems, and AI chatbots. Experienced in freelancing, startups, and R&D environments, with strong communication and leadership skills.

Education

Bachelor's degree, Computer Science　　　　　**Sep 2021 - Jul 2025**
National University of Computer and Emerging Sciences
- Worked on very extensive projects along with appreciation from teachers and open source contributions at (github)

A Levels, Engineering　　　　　**Aug 2019 - Aug 2021**
Roots IVY International School

O Levels, Pre-Engineering　　　　　**Feb 2016 - Aug 2018**
Beaconhouse, Rawalpindi

Experience

Founder and AI Engineer　　　　　**Mar 2024 - Present**
SOLKAI Technologies

- Founded and led development of next-generation **fintech and AI products** focused on trading intelligence, risk management, and performance optimization.
- Designed and deployed **LLM-powered platforms** integrating AI, psychology, and analytics for real-world decision-making.
- Built end-to-end AI systems including data pipelines, model training, inference APIs, and deployment workflows.

Machine Learning Intern　　　　　**Jul 2024 - Aug 2024**
Nayatel Pvt. Ltd
- Developed an **AI-powered customer support chatbot**, automating routine queries and improving response efficiency.
- Contributed to research-driven ML solutions within the R&D department.

Data Science Intern　　　　　**Aug 2023 - Sep 2023**
CodSoft

- Interned as a Data Scientist at Codsoft from August 2023 to September 2023. During this time, I worked with a dynamic Problem Solving team, leveraging cutting-edge technologies to solve real-world problems and extract valuable insights from data.

Artificial intelligence Intern　　　　　**Jul 2023 - Aug 2023**
INSIDER (SMC - PVT) LTD

- Completed intensive training and project work in **AI and Data Science**, applying ML techniques to practical use cases.

RAG

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Tools

PyTorchLightning ●●●○○

TensorRT ●●●●○

FAISS ●●●●○

Scikit-learn ●●●●○

NumPy ●●●●○

CUDA ●●●●○

SciPy ●●●●○

Hobbies

■ Leadership

■ Problem Solving

■ Public Speaking

■ events organisation

■ team collaboration

AI ML Engineer **Jun 2021 - Present**
Upwork
- Freelance AI/ML Engineer delivering end-to-end AI solutions for global clients.
- Experienced in NLP, LLM-based systems, deep learning, and computer vision applications.
- Designed, trained, and deployed scalable, production-ready ML models aligned with real-world business needs.
- Collaborated with clients to translate complex requirements into robust and ethical AI solutions.

Certifications

Artificial Intelligence Program by INSIDER

Data Science program by INSIDER

Becoming a Successful Leader (Inclusive Leadership Training)
Credential URL: https://courses.edx.org/certificates/d328760db77e45edb53867198b3a240a

Data Science: Visualization
Credential URL: https://courses.edx.org/certificates/2185004a787249f2a28d90ddc9ec2aa5

Databases: Relational Databases and SQL
Credential URL: https://courses.edx.org/certificates/d584c9dc3167477cac04726d509c11ab

Projects

NeuroEdge by SOLKAI Technologies **Sep 2025 - Present**
Next-generation neuro-fintech platform combining AI, psychology, and data analytics.
NeuroEdge is a next-generation neuro-fintech platform combining AI, psychology, and data analytics to transform how traders manage emotions, risk, and decision-making.

Study buddy AI **Sep 2025 - Nov 2025**
Created an Agentic learning platform,AI study assistant with RAG-based chatbot and adaptive quiz system
Developed a full-stack AI learning platform using FastAPI, React, and Google Gemini 2.0. Features include multi-agent AI tutoring, RAG-powered Q&A from uploaded materials, adaptive quizzes, progress analytics, and an emergency cram mode for exam preparation. Implemented vector search with FAISS and deployed with Docker

RMU Medical Study Assistant **Nov 2025 - Dec 2025**
An AI-powered educational chatbot that helps second-year MBBS students study the Gastrointestinal (GIT) Module using Retrieval Augmented Generation (RAG) technology with Google Gemini LLM.
*Developed a full-stack AI-powered medical education chatbot designed for Rawalpindi Medical University (RMU) students studying the GIT Module-I. The application leverages **Retrieval Augmented Generation (RAG)** with **Google Gemini LLM** and **LangChain** to provide accurate, context-aware responses*

based on the official study guide PDF.

Data Visualization projects using Machine Learning   **May 2023 - Oct 2023**

Code and implementation of 5 models based on machine learning from data science internship.

Link to my github contains the code and implementation of 5 models based on machine learning that I worked on as a part of my data science internship complete description can be found on the github read.me section thanks! https://github.com/AliMusharafbaig/CodSoft

Enchanted Forest Adventure — Data Structures Final Project   **Aug 2024 - Oct 2024**

Designed an Epic Quest to retrieve a legendary crystal using Advanced Data Structures.

A game developed for data structures project in 4th semester. Made completely in C++ using shortest-path algorithms and secured highest marks in the batch. https://github.com/AliMusharafbaig/crystal-kingdomgame

Neura_AliX - Autonomous Forex trading Scalping system   **Jul 2025 - Oct 2025**

An AI-powered trading prediction system using machine learning and deep neural networks to generate high-probability Forex signals with self-learning capabilities.

*Designed and developed **Neura_AliX**, an autonomous machine learning system for predicting Forex trading short term outcomes with 65-75% target accuracy, handling multiple currency pairs across different timeframes.*