



Jawad Asif

Artificial Intelligence Engineer

Google AI Certified Engineer with expertise in Data Engineering, Machine Learning, Deep Learning, Natural Language, Generative AI and Cloud Computing. Experienced in Python, Docker, Google Cloud Platform, Databases.

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WORK EXPERIENCE

❖ AI Engineer

Ennova Research Srl, Italy

07/2024 - Present

Padova, Italy

- Engaged extensively in the domain of LLM, Natural language processing, object detection and data engineering.
- Implemented entire pipeline, including extraction of text data, classifying applying RAG for prompting and querying form database.
- Building and testing FlaskAPIs using postman and swagger for seamless interaction.
- Deployed and monitor using docker and Kubernetes over google cloud platform.
- Crafting and optimizing LLM prompts for secure production environment.
- Utilizing NLP for generating summaries, sentiment analysis, named entity Recognition on unstructured data.

❖ Machine Learning Researcher

Technical University of Dresden, Germany

05/2023 - 09/2023

Dresden, Germany

- Collaborated on a project involving the acquisition and preprocessing of hand gestures using Ultra-Wide Radars for inertial measurements.
- Developed robust data pipelines to clean and transform raw radar data into usable features for subsequent analysis.
- Implemented deep learning algorithms for object detection and classification.

❖ Data Science and Machine Learning Researcher

Center for Artificial Intelligence and Robotics

11/2022 - 05/2023

Wurzburg, Germany

- Responsible for developing a prototype for Unmanned Arial Vehicle and IOT devices with machine learning algorithms for efficiently allocating resources.
- Implemented ML pipelines for data extraction, preprocessing, features selection, applying ML algorithm and perform training to choose right devices and updating global model and tested on local cloud.

❖ Software Developer

NETSOL Technology

10/2019 - 05/2020

Islamabad, Pakistan

- Responsible for conceptualizing and creating back-end and database designs for web applications.
- Participated in Agile and Scrum practices, including sprint planning, daily stand-ups, and retrospective meetings to ensure timely and efficient project delivery.

❖ Web - Developer

Ministry of Telecommunication and information technology, Islamabad Pakistan.

07/2017 - 06/2019

Islamabad, Pakistan

- Held the role of UI Designer and Developer, tasked with conceptualizing and crafting back-end and database design for web.
- Produced a variety of landing pages and service webpages, utilizing HTML, CSS, PHP, SQL and JavaScript form elements to enhance interactivity and smooth user engagement.

EDUCATION

❖ Masters of ICT Internet and Multimedia Engineering

Università degli Studi di Padova, Italy.

10-2020 to 10-2023

Padova, Italy

- Major in Machine Learning and cyber system.
- Grade: 100/110.

❖ Bachelor of Information Technology

The University of Azad Jammu and Kashmir Muzaffarabad.

08-2012 to 07-2017

Kotli, AJK, Pakistan.

- Major in Software-development.
- Grade:3.94/4.00.
- Achieved Gold Medal.

SUMMARY:

A focused IT professional with over 3 years of experience in driving successful AI projects and Web-development. Skilled in developing and deploying ML Models and Generative AI solutions through cloud platforms. Proficient in refining extensive datasets to train and fine-tune large language models. Also, a team-oriented leader with substantial expertise in assisting subordinates across various work tasks. Experience with Python, Docker, GCP, Kubernetes, Gitlab.

❖ SKILLS:

- Python, Pytorch, Keras, Numpy, Sklearn, Pandas, Tensorflow, NLTK.
- LLM: Gemini, gpt, llama, bert, claude, mistral.
- Flask, Restful APIs, Postman.
- Google Cloud Platform, AWS.
- MLOps, DevOps.
- Git, GitLab.
- Docker,Kubernetes, CI/CD.
- SQL, MongoDB, PostgreSQL, ChromaDB.
- Fine Tuning LLM.

❖ CERTIFICATIONS

- Generative AI Leader Certification by Google (06/2025).
- Professional Machine Learning Engineer Certification by Google (12/2024).
- Building Language Model on AWS (01/2024).
- MLOps by google cloud skill boost (10/2023).
- Create and manage Cloud Resources by cloud skill boost (07/2023).
- Cloud Computing Fundamentals (07/2023).
- Machine Learning by Andrew Ng Coursera (02/2022).

❖ PERSONAL PROJECTS

- LLM blog generation using llama2.
- Q&A chatbot using langchain openai.
- Invoice reader using mistral.
- Customer feedback scoring using LLM.
- Web-scrapping and chatting using gemini.

❖ ACHIEVEMENTS:

- GOLD MEDAL**
Awarded in BSIT from University

❖ LANGUAGES:

- ENGLISH Working proficiency.
- ITALIAN Limited working proficiency.