



ROOSHAN SALEEM BUTT



RSB.12344@GMAIL.COM



+39 345 4678505

AREAS OF INTEREST

Artificial Intelligence, Machine Learning, Deep Learning, NLP, CV, Data Mining Blockchain & Web Development.

SKILLS

AI Agents, RAG, FastAPI, AWS, CI/CD, Docker, Python, TensorFlow, Scikit-Learn, pandas, Flask, OpenAI, Llama, Vector databases, crewai, Unstructured, Langchain, NumPy, PyTorch, spaCy, Laravel, WordPress, HTML, CSS, PHP – Codelgniter, Truffle, Remix, Ganache, VOIP, UiPath Studio, MS Azure, MS Word, MS PowerPoint, MS Excel

CAREER OBJECTIVE

As a highly motivated and dedicated individual with a

EXPERIENCE

NUST, PAKISTAN
(2014 – 2019)
IT Officer

- ⇒ Developed the following projects: -
 - Inventory Management System.
 - Establishment of VOIP network using CUCM and CUC.
 - Developed several WordPress websites.

Administrative Officer

- ⇒ Remained part of various of administrative projects: -
 - VOIP Network Layout in the campus.
 - Construction of children’s park.
 - Installment of barbed wire on the boundary wall.
 - Management of sports teams.

Webbmi, Sweden
(August 2019 – January 2023)

Software Developer

Worked on projects related to WordPress, RPA, and PHP Codelgniter.

Medhiartis, Italy
(February 2023 – May 2024)

AI Software Engineer

- Development and deployment of a NMT engine for the technical documentation translation along with API creation and integration.
- Development of Catalog management system (PHP-Laravel, JavaScript).

Conferences/ Camps
(June 2023)

MAI4CAREU, Cyprus

- Participated in AI camp at Cyprus and delivered presentation on Large Language Models (LLMs).

background in computer software engineering and a master's degree in artificial intelligence, my objective is to contribute to cutting-edge research and innovative projects in the field of AI and machine learning. I am passionate about developing intelligent software that enhances human capabilities, including understanding, reasoning, and communication, while improving efficiency and reducing costs. I am eager to apply my skills and knowledge to tackle complex challenges and drive progress in the exciting and rapidly evolving field of artificial intelligence.

CERTIFICATIONS

- Operationalizing LLMs on Azure – Coursera.
Certificate: <https://coursera.org/verify/72M2KQUNVDXN>
- Facial Expression Recognition with PyTorch – Coursera.
Certificate: <https://coursera.org/verify/RBQC4CR4L6QX>
- Fine Tune BERT for Text Classification with TensorFlow – Coursera.
Certificate: <https://coursera.org/verify/6KUMRWRYB37U>
- Blockchain Basics – The State University of NY (Coursera).
Certificate: <https://coursera.org/verify/57AVR|XKBZLL>
- Smart Contracts – The State University of NY (Coursera).
Certificate: <https://coursera.org/verify/ARTZ8HTRQC3L>
- Decentralized Applications (Dapps) – The State University of NY (Coursera).
Certificate: <https://coursera.org/verify/|3BXOPEKPRV5>

EDUCATION

MASTER'S IN ARTIFICIAL INTELLIGENCE (2021-2023) **University of Bologna, Italy** **Projects**

- Realization of NMT engine implementable in computer assisted translation software using API.
- Human values detection using multilabel & multiclassification techniques of NLP (BERT).
- Texting summarization using NLP techniques (LSTMs and T5).
- Conversational question/ answering using NLP techniques (BERT).
- Part of speech tagging using NLP techniques.
- Predicting the rush-hour using Bayesian networks.
- Deblurring the images using autoencoders.
- Very Large-Scale Integration (VLSI) chip design using Constraint Programming (CP) and Boolean Satisfiability (SAT) in Minizinc.
- Implementing Nims game in Prolog and Minizinc.



	<p>BACHELOR'S IN COMPUTER SOFTWARE ENGINEERING (2010-2014) National University of Sciences and Technology, Pakistan CGPA: 3.50 out of 4.00</p> <p><u>Projects</u></p> <ul style="list-style-type: none">• Cloud Orchestration on peer-to-peer network using C#.• Online voting system using HTML, CSS and PHP.• Crime record system using C#.
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