

Rizwan Hasan

github.com/Rizwan-Hasan | rizwan.hasan486@gmail.com | linkedin.com/in/rizwan486

WORK EXPERIENCE

SOCIAL27 INC. | SOFTWARE ENGINEER

June 2023 – Present | Remote

- Investigate and reproduce user-reported issues across complex systems, including LLM, AI models, Azure services, ChatGPT, and Langchain.
- With my expertise in Python, FastAPI, MongoDB, Redis, and Microsoft SQL Server, I effectively debug and rectify backend issues to ensure optimal performance and reliability.
- Apply innovative solutions to challenges in AI integration, cloud computing on Azure, and the development of scalable systems like Langchain, ensuring robust functionality and user satisfaction.

CLEARML | SOFTWARE ENGINEER

Feb 2022 – July 2023 | Remote

- Troubleshoot and resolved issues in the ClearML Python package using VSCode, PyCharm, TensorFlow, PyTorch, etc.
- Built and implemented CI infrastructure using Bitbucket Pipelines, including unit and integration tests in Python.
- Developed technical documentation tools using Docusaurus and Sphinx, and created data processing pipelines using Jenkins Pipelines.

TECHNICAL PROJECTS

FREE HASH CHECKER | Sourceforge | GitHub

- Built using Python, PySide2 for both Windows and Linux platforms.
- An open-source lightweight desktop software for calculating hash codes of files, supporting MD5, SHA1, SHA224, SHA384, SHA256, and SHA512 algorithms.

MAGPIEOS | Sourceforge | ItsFoss | Wikipedia | YouTube

- A custom-flavored Linux distribution based on Arch Linux, designed for PC users. It offers a tailored experience for enthusiasts seeking a unique Linux environment. Featured in ItsFoss.

CYTHONIZER | PyPI | GitHub

- Cythonizer is a script that will attempt to automatically convert one or more .py and .pyx files into the corresponding compiled .pyd or .so binary modules files. Published in PyPI.

REALTIME CHAT APP | GitHub

- A Realtime Chat App in Node.js using Socketio with advanced deployment features like caching, clustering, and load-balancing.

RESEARCH & PUBLICATIONS

- [1] R. Hasan, S. Hossain, F. I. Alam, and M. Barua. Bangla music genre classification using fast and scalable integrated ensemble boosting framework. *IEEE*, 2021.
- [2] M. S. K. Inan, R. Hasan, and T. T. Prama. An integrated expert system with a supervised machine learning based probabilistic approach to play tic-tac-toe. *IEEE*, 2021.

EDUCATION

EAST DELTA UNIVERSITY

BACHELOR OF SCIENCE

Computer Science and Engineering

Graduated Dec 2021

Chittagong, Bangladesh

SKILLS

PROGRAMMING

Python: 4+ year

JavaScript: 1 year

TECHNOLOGY

Git • GitHub • Bitbucket

Linux • Windows • Azure

AI/ML • LLM • RAG • MLOps

Sklearn • Pandas • Numpy

CI/CD Pipeline • Jenkins •

Docker • REST API • Websocket

MongoDB • Redis • Sqlite3 • SQL Server

FastAPI • Flask • Express.js • Restify

Qt • PyQt5 • PySide6 • PyInstaller

SOFT SKILLS

Public Speaker • Trainer

Leader • Motivator

REFERENCES

FAHIM IRFAN ALAM, PHD

Research Fellow

The University of New South Wales (UNSW), Australia

Email: fahim.alam1@unsw.edu.au

Linkedin: [fahimirfanalam](#)

OREN RECHTMAN

VP Engineering at ClearML

Email: oren.rechtman@gmail.com

Linkedin: [oren-rechtman](#)

ALEXANDRU BURLACU

ML/MLOps Consultant at Toptal

Chisinau, Republic of Moldova

Email: alexburlacu1996@gmail.com

Linkedin: [alexandru-burlacu](#)

VICTOR SONCK

R&D Data Scientist AI at VITO

Mol, Flemish Region, Belgium

Email: victor.sonck@gmail.com

Linkedin: [victor-sonck](#)