

Rizwan Hasan

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EXPERIENCE

SOCIAL27 INC. | SOFTWARE ENGINEER - BACKEND

June 2023 – Present | Remote, Contract

- I 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.
- I 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 - MLOPS

Feb 2022 – July 2023 | Remote, Contract

- Troubleshooted 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.

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.

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 COMPUTER SCIENCE
AND ENGINEERING

December 2021

Chattogram, Bangladesh

SKILLS

PROGRAMMING

4+ years:

Python

1 years:

JavaScript

TECHNOLOGY

Git • Github • Bitbucket

Azure • Linux • Windows

AI • ML • LLM • RAG

Pandas • Numpy • Langchain

Sklearn • XGBoost • CatBoost

CI/CD Pipeline • Jenkins

MongoDB • Redis • Sqlite3

FastAPI • Flask • ExpressJS

Qt • PySide6 • PyInstaller

LINKS

Portfolio:// [Visit](#)

Github:// [Rizwan-Hasan](#)

LinkedIn:// [rizwan486](#)

Hackerrank:// [Rizwan486](#)

RECOMMENDATIONS

FAHIM IRFAN ALAM, PHD

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