

# Rizwan Hasan

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## WORK EXPERIENCE

### **SOCIAL27 INC.** | SOFTWARE ENGINEER

June 2023 – Present | Remote

- Examine and recreate problems that users have reported with various sophisticated systems, such as Langchain, ChatGPT, AI models, LLM, and Azure services.
- My proficiency in Python, FastAPI, MongoDB, Redis, and Microsoft SQL Server enables me to efficiently troubleshoot and resolve backend issues, guaranteeing peak speed and dependability.
- Apply creative thinking to overcome obstacles in the areas of cloud computing on Azure, AI Integration and building scalable systems that guarantee reliable operation.

### **CLEARML** | SOFTWARE ENGINEER

Feb 2022 – July 2023 | Remote

- Investigate and fix problems with the ClearML Python package with PyCharm, TensorFlow, PyTorch, VSCode, and other programs.
- Utilizing Bitbucket Pipelines, CI infrastructure was developed and put into place, complete with Python unit and integration tests.
- Built data processing pipelines with Jenkins Pipelines and technical documentation tools with Docusaurus and Sphinx.

## 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 • Linux

AI/ML • LLM • Azure

CI/CD • Jenkins

MongoDB • Redis • Sqlite3

FastAPI • Flask • ExpressJS

Qt • PySide6

### **SOFT SKILLS**

Public Speaker • Trainer

Leader • Motivator

## REFERENCES

### **FAHIM IRFAN ALAM, PHD**

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### **OREN RECHTMAN**

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### **ALEXANDRU BURLACU**

ML/MLOps Consultant at Toptal

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### **VICTOR SONCK**

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