



MAHFUZA HUMAYRA MOHONA

SOFTWARE ENGINEER

CAREER OBJECTIVE

Software Engineer specialized in Artificial Intelligence and back end development. Experienced with all phases of development cycle for dynamic web projects. Have knowledge of Kubernetes, micro services. Seeking to leverage skills for success in cutting-edge projects & delivering innovative solutions.

EDUCATION

BRAC University, Bangladesh

Bachelor's in Computer Science and Engineering (passing year- 2019)

SKILLS & ABILITIES

Language:	Python, JavaScript
Frameworks:	Django, Svelte
Source Control:	GitHub, Gerrit
Orchestration	Docker, Kubernetes,
Tools:	Openshift

VITALS

Email: mhmohona@gmail.com

GitHub: [mhmohona](#)

LinkedIn: [mhmohona](#)

OPEN-SOURCE CONTRIBUTION

- [Glean Dictionary](#) - Mozilla Foundation
- [PRESC](#) - Mozilla Foundation
- [NumPy survey](#) - translated in Bangla

LANGUAGES

- English (Fluent)
- Bangla (Native)

WORK EXPERIENCE

LOBB SOFTWARE COMPANY, Remote

Full Stack Python Developer, contract (January 2023 - February 2023)

- **Integrated APIs** with Zatca (The Zakat, Tax and Customs Authority of Saudi Arabia) using CSR, private and public key authentication
- Developed **interface** for sending XML tax invoices and QRcodes by converting them into **hash code**.

Used Technology: Python, Django, Rest Framework, PostgreSQL

WIKIMEDIA FOUNDATION, Remote

Outreachy Intern (December 2021 - March 2022)

Link: [Automatically matching new Wikipedia articles with Wikidata items](#)

- **Matched articles** to existing Wikidata items based on categories using ancillary data
- Conducted **similarity analysis** using regular expressions

Used Technology: Python, Regular Expression

LEADS CORPORATION LIMITED, On-site

Software Engineer (January 2020 - December 2022)

- Developed **chatbot** using NLP
- Prepared **dataset** for HRGinie, AI based interview assistant
- Implemented **speech recognition** using Mozilla speech API
- Utilized text embedding and evaluation for **signature verification**
- Assisted with **integration**, coordination between team and client
- Maintained and updated source code using MS DevOps
- Followed **Agile** methodology with practicing Scrum framework

Used Technology: Python, Django, Flask, Rest API, Rasa, Linux Server

PROJECT

Linux Foundation mentorship project: [Integration of Kyverno with Litmus for Chaos testing](#)

- Developed and deployed Kyverno containers on Kubernetes
- Build Litmus chaos experiments and deployed in Kyverno's policy
- Prepared custom Kyverno policy and ran Litmus chaos test to consume CPU resources on the container for testing the impact

Used Technology: Go, Kyverno, Kubernetes, Docker, LitmusChaos

GitHub Link: [Pull Request #2014 · kyverno/kyverno](#)

ACHIEVEMENTS

- 5th in BRACU Intra Programming Contest among 53 teams
- PyTorch Scholarship from Facebook following Deep Learning Nanodegree from Udacity

CERTIFICATION

- Prototype Development Bootcamp, Singapore National University
- Advanced Training on AI Services, BASIS - PUM, Netherlands senior experts