

Eliz A. Habiboullah

hire-eliz.vercel.app | elizhabiboullah@gmail.com | LinkedIn: elizhabiboullah | GitHub: elizhabiboullah | @elizhabiboullah

EDUCATION

City University

B.S. in Computer Science

Expected Graduation, May 2025

- o **Specialization:** Software Engineering (Honours)
- o **Concentrations:** Intelligence and Machine Learning
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Modeling/Simulations, Artificial Intelligence, Object-Oriented Programming, Cloud Foundation, Statistics & Applications

EXPERIENCE

Gridicity

Software & Machine Learning Engineer

Dec 2023 – Oct 2024

- Developed machine learning models for energy price forecasting and EV charging optimization
- Built models like moving averages, exponential smoothing, and ARIMA to forecast hourly UK energy prices, delivering a full year of predictions. Evaluated accuracy using MAPE and RMSE.
- Designed optimization algorithms for EV charging schedules to minimize costs based on forecasted prices and tariff structures.

EAH Media

Software Engineer Intern

May 2023 – Nov 2023

- Utilized Python and its NetworkX graph structure library to develop efficient algorithms to optimize resource flow in a simulation in which a natural disaster strikes a city
- Developed the graphical user interface on PyGame to allow the users to visualize the results

Hylus Labs

Creative Consultant

Jun 2022 – Aug 2023

- provided strategic, data-driven solutions to clients across various industries, incorporating AI-driven insights to optimize decision-making. Collaborating closely with cross-functional teams

PROJECTS

Chime Bot

Team Member

Jun 2023 – July 2023

- Developed a bot for Amazon Chime that will enhance contact management and support sub-commands for team functionalities
- Created bot services using AWS Lambda and Amazon Lex to permit users to create contact aliases

Stock Predictor

Team Lead

Nov 2022 – Jan 2023

- Trained mathematical models to predict stock price trends using Naive Bayes, Neural Networks, and Linear Regression Time Series algorithms
- Scripted the predictive stock price model and obtained a prediction accuracy of 90.07%

ACTIVITIES AND LEADERSHIP

AlAasriya Tech's College of Computing

Teaching Assistant for CS 2340 (Objects and Design)

Aug 2023 – Dec 2024

Mauritania Student Association

President

Aug 2021 – Current

- Lead a 100+ member organization in promoting African culture, hosting events, and driving sustainable development and tech improvements across Africa.

SKILLS

Programming: Python, TensorFlow, scikit-learn, PyTorch, Keras, C/C++, JavaScript, React Native, React.js, Node.js

Tools: AWS, Jupyter Notebooks, Git, Docker, Azure, Docker, Android Studio, Eclipse, Firebase, MongoDB, GCP

Languages: English (fluent), French (fluent), Arabic (native)