

Md Rakibul Hasan Molla *Software Engineer*

✉ rakibul.hsn47@gmail.com

☎ +8801950641081

📍 Dhaka, Bangladesh

in rakibcseku

🔗 rakibo6



Experienced AI professional skilled in developing RESTful APIs, automation with Python and Selenium, chatbots using NLP and deep learning models, document/PDF extractors, and image processing algorithms. Collaborates effectively with cross-functional teams, conducts experiments, fine-tunes models, and contributes to open-source AI projects.

🧠 Expertise

Programming

Languages

Python, Java, JavaScript

Test Automation Tools

Selenium, Karate, Cucumber

Chatbot development

RASA and other NLP libraries:

Computer Vision

Libraries

OpenCV, PIL, Scikit-image

Database

SQL, MySQL, MongoDB

Machine Learning

Frameworks

TensorFlow, Keras, PyTorch, Scikit-learn

Recommender system development

Collaborative filtering and Apriori algorithm

NLP Libraries

NLTK, Spacy

Backend Development

Django, Flask

Automation Tools

PyAutoGUI, Python-Selenium

Version control

Git/Github, GitLab

Frontend Development

ReactJS, Redux, Bootstrap, HTML, CSS

Data analysis and manipulation

Pandas, PySpark

Cloud deployment

Docker

📁 Professional Experience

Software Engineer, BRAC IT Services Ltd.

- Developed RESTful APIs using Django Rest framework to support various web applications and services
- Created task automation tools using Selenium, PyAutoGUI, and Machine Learning to improve efficiency and reduce manual labor
- Designed and developed a chatbot using NLP and deep learning models, such as LSTM and Transformer, to improve customer engagement and support
- Built document and PDF extraction tools using OpenCV and Tesseract OCR to facilitate data processing and analysis
- Utilized image processing and computer vision techniques using OpenCV, PIL, and Scikit-image to develop image recognition and analysis applications
- Worked on machine learning projects using TensorFlow, Keras, PyTorch, and Scikit-learn to develop predictive models and analysis tools
- Implemented multiprocessing to optimize project performance resulting in a 4-6x increase in processing speed
- Collaborated with cross-functional teams to solve complex problems and drive innovation

2021 – present
Dhaka, Bangladesh

Machine Learning Engineer, Evaly.com Ltd

2021 – 2021
Dhaka, Bangladesh

- Developed a recommender system using Apriori algorithms to enhance the user experience and increase sales
- Conducted data analysis and manipulation using PySpark and Pandas to support various business needs
- Worked with the development team to integrate the recommender system into the E-commerce website
- Conducted extensive testing and validation to ensure the accuracy and reliability of the recommender system

Software Engineer, Genuity Systems Ltd.

2020 – 2021
Dhaka, Bangladesh

- Developed a chatbot using RASA and other NLP libraries to provide customer support and improve customer satisfaction
- Collaborated with the team to design and implement various NLP features, such as sentiment analysis and intent recognition
- Conducted testing and validation to ensure the accuracy and reliability of the chatbot

Education

B.Sc. in Computer Science and Engineering, Khulna University 
CGPA: 3.09

2016 – 2020
Khulna, Bangladesh

Publications

Dynamic Facility Layout Problem Using Chemical Reaction Optimization, IEEE 

2020

"Dynamic Facility Layout Problem Using Chemical Reaction Optimization," 2020 4th International Conference on Computer, Communication and Signal Processing (ICCCSP), Chennai, India, 2020. DOI:10.1109/ICCCSP49186.2020.9315277

Courses

Introduction to Data Science, Coursera 
Grade: 93.75%

2018

Awards

Winner, Hackathon, CSE FEST 2019, Khulna University

2019

Winner, Hackathon, CSE FEST 2017, Khulna University

2017

References

Mohammed Moinul Hasan, Technical Manager, FinSource Limited
moinul.hasan@hotmail.com, +8801732640333

Ferdous Bin Ali, Lead Data Scientist, RAENA
hridoyferdous@yahoo.com, +8801675615851