Md Rakibul Hasan Molla

Software Engineer

✉ rakibul.hsn47@gmail.com 📞 +8801950641081 📍 Dhaka, Bangladesh in rakibcseku ○ rakib06

Profile

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.

Skills

Programming Languages
Python, Java, JavaScript

Machine Learning Frameworks
TensorFlow, Keras, PyTorch, Scikit-learn

Web Frameworks
Django, Flask, React, React Native

Test Automation Tools
Selenium, Karate, Cucumber

Automation Tools
PyAutoGUI, Python-Selenium

Data analysis and manipulation
Pandas, PySpark

Chatbot development
RASA and other NLP libraries:

Recommender system development
Collaborative filtering and Apriori algorithm

Version control
Git/Github, GitLab

Cloud deployment
Docker

Computer Vision Libraries
OpenCV, PIL, Scikit-image

NLP Libraries
NLTK, Spacy

Professional Experience

Software Engineer, *BRAC IT Services Ltd.* ↗   2021 – present
                                                            Dhaka, Bangladesh

- Developed RESTful APIs using Django Rest framework to support various web applications and services
- Implemented automation testing using Robot Framework and Selenium to ensure the quality and reliability of web applications
- Created task automation tools using PyAutoGUI and Selenium 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
- Contributed to the development of web applications using Django and Flask frameworks
- Conducted data analysis and manipulation using PySpark and Pandas to support various business needs

- Collaborated with cross-functional teams to solve complex problems and drive innovation

Machine Learning Engineer, *Evaly.com Ltd* ⧉
2021 – 2021
Dhaka, Bangladesh
- Developed a recommender system using PySpark and Apriori algorithms to enhance the user experience and increase sales
- 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* ⧉
2016 – 2020
Khulna, Bangladesh
CGPA: 3.09

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* ⧉
2018
Grade: 93.75%

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