

Md Rakibul Hasan Molla

Software Engineer

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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

CGPA: 3.09

Khulna, Bangladesh

Publications

Dynamic Facility Layout Problem Using Chemical Reaction Optimization,

2020

IEEE 

"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