Md Rakibul Hasan Molla

Software Engineer

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• Dhaka, Bangladesh

in rakiboseku

nakib06



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 crossfunctional teams, conducts experiments, fine-tunes models, and contributes to open-source AI projects.

EXPERTISE

Programming Languages

Python, Java, JavaScript

Backend Development

Django, Flask

Test Automation Tools

Selenium, Karate, Cucumber

Automation Tools

PyAutoGUI, Python-Selenium

Chatbot development

RASA and other NLP libraries:

Version control

Git/Github, GitLab

Computer Vision Libraries

OpenCV, PIL, Scikit-image

Database

SQL, MySQL, MongoDB

Frontend Development

ReactJS, Redux, Bootstrap, HTML, CSS

Machine Learning Frameworks/Toolkit

TensorFlow, Keras, PyTorch, Scikitlearn, Kaldi, Rasa

rearn, karar, nasa

Data analysis and manipulation

Pandas, PySpark

Recommender system development

Collaborative filtering and Apriori

algorithm

Cloud deployment

Docker

NLP Libraries

NLTK, Spacy

PROFESSIONAL EXPERIENCE

Software Engineer, BRAC IT Services Ltd. ♂

 Led a team of Python developers in the development of a data analytics, automation and chatbot platform for a major client

- 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

2021 - present Dhaka, Bangladesh

- 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

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 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

• 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 features, such as sentiment analysis recognition
- Developed a speech recognition system using Kaldi for a research project.
- Conducted testing and validation to ensure the accuracy and reliability of the chatbot

Dhaka, Bangladesh

EDUCATION

B.Sc. in Computer Science and Engineering,

2016 - 2020

Khulna University 🛮

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.D0I: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.hasanahotmail.com, +8801732640333

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