ARGHYADEEP SARKAR

MACHINE LEARNING ENGINEER

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I have developed extensive knowledge and expertise in the fields of examining and analysing large datasets, developing and using deep learning models, and natural language processing(NLP). I have also developed chatbots using Rasa and wit.ai. Moreover, my experience have helped me to develop and significantly improve my attention to detail and accuracy and gave me a chance to see and feel what it's like to be a part of a deadline-driven and fast-paced business environment.

Professional Experience

MACHINE LEARNING ENGINEER

Oct' 18 - Present

DataVal Analytics

Projects: Chatbots, Vessel Detection, Sale Prediction, Match My Talent, Emotion Analysis, Social Media Analytics, Document Summarization

- Investigating, developing and implementing deep learning models for specific purposes.
- Data Visualization to get the insights of the data.
- Collecting, analysing, processing and interpreting raw data from various websites.
- Extracting relevant information from data using NLP.
- Deployed various deep learning and machine learning models as pickle files and API using Flask framework.
- Implementation and integration of SOLR search platform, use of REST APIs for integrating with server.
- Improving the core NLU engine for intent understanding/entity resolution in NLU based chatbot.
- Simplifying the NLU architecture to add more domain easily..
- Improve the core NLU engine for intent understanding/entity resolution in NLU based chatbot.
- POS handlings such as preposition, conjunction and pronoun in NLU based chatbot.

RESEARCH AND DEVELOPMENT ENGINEER

April' 18 - Oct' 18

Vital Labs

Projects: Bluetalon, Nimesa

- Research , Design and Implement scalable interfaces, classes and methods.
- Collaborate closely with other team members to plan, design and develop robust solutions.
- Developed new and customized existing databases using variety of technologies, languages and programming tools
- Creating angular js scripts
- Automating Nimesa AWS, Test Cases using PyTest
- Fixing and identifying issue

JAVA DEVELOPER

Deuglo Technologies Pvt Ltd

- Research , Design and Implement scalable interfaces, classes and methods.
- Used Java technologies to build web applications for client-server environments.
- Develop customized, interactive user interfaces using JavaScript, HTML and CSS.
- Use debugging skills to improve the quality of code and improve application.
- Worked in a team of web developers, designers and other IT personnel to meet team goals and improve business outcomes.
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Skills

Modules well versed in

Numpy	Rasa	Sklearn	Tensorflow	Plotly
Django	Bert	Matplotlib	Nltk/Spacy	Urllib
Scrapy	Keras	Xgboost	Statsmodel	PyTorch
Pandas	Flask	Seaborne	Beautifulsoup	OpenCV

Key Skills

- Python
- Deep Learning
- NLP
- Data Analysis

- Chatbot Development
- Data Scrapping
- Data Structures
- HTML / CSS / JS

Education

B-TECH IN COMPUTER SCIENCE AND ENGINEERING

JIS College of Engineering, Kalyani

CGPA - 7.5

Interests

- Being an active member of the group BINB, I am highly involved in organising events like sports, artworks and various festivals.
- Games - Cricket, Chess, PC and Mobile games.
- Reading Books/Novels.
- Painting - Certified for painting by Kala Kendra, Shantiniketan.