AKANKSHA SAXENA

B.TECH

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Skills

PROGRAMMING LANGUAGE

Python
NLP
Machine Learning
NLU

ALGORITHMS & OPEN SOURCE LIBRARIES

Rasa
NLTK
TF-IDF
Flask
Apache Kafka
Transformers
Neural Network

DATABASES

Elasticsearch
MongoDB

VERSION CONTROL

GIT

PLATFORMS & TOOLS

AWS EC3
Google Cloud Platform

OPERATING SYSTEMS

Linux
Windows

Summary

- An IT professional with 2.5+ years of experience as a Python/ML Engineer.
- Skilled in managing end-to-end development of software products/projects from inception, requirement specs, planning, designing, implementation, configuration, and documentation.
- Knowledge of Python, Machine Learning, Artificial Intelligence, Data Science.
- Extensive project management and R&D experience, with a conceptual understanding of the application development life cycle and software development methodologies.

Education

G.L. Bajaj Institute of Technology & Management B.tech	2015 to 2019
P.D.S Public School Intermediate	2014 to 2015
P.D.S Public School High School	2012 to 2013

Employment

Magic Software	Noida
Sr.Associate Engineer	Jan. 2019 to Current

- Worked as an ML Engineer and have created modules for the product.
- Handling Design, Development of Projects.
- Leading End to End Chat bot Development with B2C level Use cases focusing on End user in Education domain like Students, Teachers etc.
- Maintaining project schedule and communicating project status to the management.

Projects

Magicbox Chatbot
- Magic Box is the chat bot based on Online Education Platform like **Searching Courses, Searching Books. Assignment & Recommendation of Courses** on the Chat bot itself.
- It also offers use-cases to **handle Reminders & notifications** to students for pending homework etc.
- Magicbox Chat bot is built on **Rasa Framework**
- Magicbox Chat bot is work on **Multi-Tenancy**

Semantic Searching for Bots
- The semantic searching is an advance searching designed to be used in any bot, was made to search courses, contents, answer for any question, and useful data based on the searched term from the database.
- It uses concepts like **BERT SENTENCE TRANSFORMERS, AUTO TAGGING** of all the available data along with queries built on top of Elastic Search.

Magicbox Auto Q&A Assessment
- Auto QnA assessment is a scoring mechanism of answers with respect to their question for students using deep learning models and NLP technologies.
- It also leverages auto concept recommendation of content based on the assessment. It uses Elasticsearch as it's data storage.
- It was designed to ease the extra effort of teachers in writing answers for their questions, evaluating student's answer sheets.

Awards

Manager · WOW Award
- Appreciation for dedication and focus on the work to ensure quality and on time delivery.
- For outstanding commitment, contribution and passion towards the project - Magicbox chat bot