




ASHISH LOTAKE


Data Analyst & Data Scientist And MI & AI Engineer


A data scientist and machine learning engineer who is looking for an institution that offers the opportunity to learn new technologies and grow as a data scientist and machine learning engineer. I am excited to be a part of this team and wants to help contribute to the institution's success.

[ashishlotake.com](#) 

ashish@ashishlotake.com 

[linkedin.com/in/ashish](#) 

[+91-8888588053](#) 

[github.com/ashishlotake](#) 

WORK EXPERIENCE

Artificial intelligence Technical Intern

May 22 - Aug 22

Super A.I.P.
Startup Delhi, India

ChatBots

A chatbot to help you find jobs across the country

 Duration: 2 Month  Team: 4-5 members

- In my internship, I spent time developing chatbots using the open-source NLP tool RASA. With this experience, I'm now committed to building better chatbot systems that can be easily deployed in production.
- This chatbot is going to be used to showcase to the client that we can meet their expectations.

Q&A Chatbot for Company Frontend Website

 Duration: 1 Month  Team: 2 members

- The backend of the chatbot is created using the open-source platform RASA. It can help users solve their queries faster and keep them engaged for a longer period of time.
- We can't predict what a user may ask, so we need to design our models keeping this in mind. Our model was simple and easy to understand, but it was challenging to complete because of its complexity.

PROJECTS

Automated data labelling system

[Git Source](#)

- Web based system for user-interface and automated image labeling, created as part of a computer vision project, user can upload an image, select the desired labels and retrain their model.
- The user will get their input images correctly labelled by placing them in their category folder and giving them a zip file.
- Developed using Streamlit, and I have also packed everything into a Docker container.

General Q&A Conversational ChatBot

[Git Source](#)

- The model is implemented using the open-source tool RASA, which we used as the query data source; this model is trained to give responses for a set of possible questions that could be asked when interacting with this chatbot.
- It will be easy to extend the range of possible questions and provide more users with answers. A new question can be easily created by providing one or two relevant data points.

System for Filtering Resumes

[Git Source](#) · [Web App](#)

- You define what skills an applicant should have and then upload the resume. We will then identify the applicants who have those skills and who don't.
- The webapp is deployed using streamlit.

CONTRIBUTION TO COMMUNITY

Volunteer Teacher @ Bhumi NGO

- We teach students from 5th to 8th grade science and give them direction on future opportunities in various fields.

Campaign Volunteer @ Y@outh Empowerment Foundation (YEF)

- Raise money for the daily needs (food, clothes) of people affected by the pandemic.
- We help woman and girls in need, by raising funds to buy sanitary pads. We spread awareness about the importance of sanitary pads and raise funds.

EDUCATION

Diploma in Artificial Intelligence & Machine Learning

University of Hyderabad (UOH)
Sep 2021 - Present

- Project - Automated data labelling system




B.E. in Mechanical Engineering

Savitribai Phule Pune University (SPPU)
Jul 2018 - Jul 2021

- GPA - 8.3 (First Class With Distinction)
- Paper - Fuzzy Logic System and its Application on IJRASET.

STAND-OUT SKILLS
















Certifications

-  **[AWS Certified Cloud Practitioner \(CLF-C01\)](#)**
from AWS Cloud
-  **[Python for Everybody Specialization](#)**
from Coursera by University of Michigan
-  **[Learn to Program: Crafting Quality Code](#)**
from Coursera by University of Toronto

Machine & Deep Learning Skills

- Data Visualisation
- Exploratory Data Analysis
- Feature engineering,Feature selection & extraction
- Supervised ML algorithm → K-Means, SVM, Random Forest, Linear Regression etc.
- Unsupervised ML algorithm → Clustering
- Convolutional Neural Networks (CNN)
- Natural language processing (NLP)
- Machine Learning and Deep Learning

Tools

-  Python
-  Tensorflow
-  SQL
-  Docker
-  Numpy
-  Linux, Bash
-  Pandas
-  AWS Cloud Computing
-  Matplotlib
-  Rasa Open Source
-  Seaborn
-  Power B.I.
-  Scikit Learn
-  Microsoft Excel
-  Keras

Programming

-  Python
-  C
-  HTML & CSS
-  Bash

Communication & other strengths

- **Adapt and appreciate assistance** to achieve more.
- **Communicate and can explain problem** accross team members and stakeholders.
- **Teach and guide** to understand complex concepts in simple terms.