

ASHISH LOTAKE

Data Analyst / Data Scientist / Machine Learning Engineer

📞 +918888588053 ✉ ashishlotake@duck.com 📧 ashishlotake 🌐 ashishlotake

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

Education

University of Hyderabad | *Diploma in Artificial Intelligence & Machine Learning* **81.7% | 2023**

Courses: Advance Machine learning, Neural networks, Optimization Methods & Deep Learning(MLP, ANN, NLP, CNN, RNN)

Savitribai Phule Pune University | *B.E. in Mechanical Engineering* **8.32 GPA | 2021**

Relevant Coursework

- Data Structures
- Data Visualisation
- Algorithms Analysis
- Feature engineering
- Artificial Intelligence
- Feature Selection
- Feature Extraction
- OOPs
- Statistics
- Supervised ML
- Unsupervised ML

Experience

Super A.I.P.

Delhi, Delhi

Artificial intelligence Technical Intern

May 2022 – August 2022

- 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.
- 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 | *Python, Docker, AWS, CNN*

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 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 | *Python, RASA, 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 | *Python, Webapp, Streamlit*

GIT Source

- 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.

Technical Skills

Programming languages: Python, SQL

Tools: MySQL, AWS, Git, Docker, Linux, Excel, Power BI

ML/AI: Numpy, Pandas, Matplotlib/Seaborn, Scikit learn, Tensorflow/Pytorch, CNN, NLP, RNN

Certifications

- AWS Certified Cloud Practitioner from AWS
- Python Specialization from University of Michigan
- Crafting Quality Code from University of Toronto
- SQL Basic & Intermediate from HackerRank

Contribute to the Community / Extracurricular

Bhumi NGO | *Volunteer Teacher*

Pune

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

Youth Empowerment Foundation | *Campaign Volunteer*

Pune

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