ASHISH LOTAKE

Data Analyst / Data Scientist / Machine Learning Engineer

📞 +918888588053　✉ ashishlotake@duck.com　in linkedin.com/in/ashishlotake　○ github.com/ashishlotake　🌐 ashishlotake.com

SKILLS

Data Analysis | Excel | SQL | MySQL | Power BI | Feature engineering | Algorithms Analysis | OOPs | Supervised & Unsupervised ML | Artificial Intelligence | Jupyter | Numpy | Pandas | Matplotlib | Seaborn | Scikit learn | Tensorflow | Pytorch | Git | FastAPI | Docker | AWS | Curiousity | Adaptability | Independence | Report writing | Critical thinker |

EDUCATION

Diploma in Artificial Intelligence & Machine Learning | *University of Hyderabad*　　**81.7%** | **2023**
Courses: *Statistics, Machine learning, Optimization, Neural networks, Deep Learning (CNN, NLP, RNN), ETL*

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

EXPERIENCE

Artificial intelligence Technical Intern　　**May 2022 – August 2022**
Super A.I.P.　　*Delhi*

- Integrated open-source Natural Language Processing tool RASA to develop a conversational end-user chatbot, reducing response time by 35%.
- Generated data-driven insights and implement tailored strategies to create an automated customer service system, boosting customer engagement by 25%.
- Created robust Machine Learning models using (NLP) techniques to effectively handle unstructured requests and predict user intent with an accuracy rate of 85%.
- Integrated machine learning algorithms into the chatbot backend, resulting in highly engaged customer reviews after implementation.

PROJECTS

Automated data labelling system | *Python, Docker, AWS, CNN*　　**GIT Source**

- Created user interface and proposed image labeling tool powered by Streamlit and Docker, enabling users to input images, select desired labels and retrain their model in 10-15 minutes.
- Optimized cost and time savings of manual inputting by automating data labeling, improving the overall efficiency of the machine learning lifecycle by 30%.
- Implemented computer vision using transfer learning that achieved over 90% prediction accuracy for 5K+ images over 101 subclasses.
- Introduced UX improvements to better identify categories via CNN, resulting in over 95% accuracy rate of image labeling.

General Q&A Conversational ChatBot | *Python, RASA, ChatBot*　　**GIT Source**

- Developed an automated QA chatbot using natural language understanding (NLU), providing answers with an 85% accuracy rate on customer queries within 6 weeks, boosting customer engagement by 10%.
- Proposed and designed question answering pipeline using natural language processing technologies, enabling a 60% faster response time versus manual processing.
- Generated questions for incoming inquiries by providing 2 relevant data points each; enabled a continual learning process to improve future customer interactions by 5%.

System for Filtering Resumes | *Pyhton, Webapp, Streamlit*　　**GIT Source**

- Developed fine-tuned algorithms using numpy & pandas to identify optimal resumes on basis of Skill Requirements, increasing resource selection accuracy by 70%.
- Deployed web application utilizing Streamlit framework to provide automated skills classification resume assessment, may lead to the optimization of hiring processes by 25%.

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

Volunteer Teacher | *Bhumi NGO*　　**Pune**

- Guided students in their 5th-8th grade Science curricula, helping to develop an aptitude & appreciation for STEM.

Campaign Volunteer | *Youth Empowerment Foundation*　　**Pune**

- Mobilized resources and funds to provide daily necessities for vulnerable families affected by the pandemic, providing aid to 100+ beneficiaries.
- Empowered 100+ women/girls in need with access to sanitary pads and education on menstrual hygiene, equipping them with the necessary knowledge.

COMMUNICATION & OTHER STRENGTHS

- **Adapt and appreciate assistance** to achieve more.
- **Communicate and can explain** problems to non-tech members and stakeholders.
- **Teach and guide** to understand complex concepts in simple term.