Renuka Alai
Software engineer(AI/ML)

Innovative software engineer offering **2+ years** of expertise in machine learning and deep learning flow. Seasoned professional with background in full data science lifecycle. Quickly learns and masters new technologies while working in both team and self-directed settings.

Contact

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Education

Batch of 2020
Computer Engineer
Savitribai Phule Pune University.
CGPA: 7.81

Technical Skills

- Data Science / ML /DL - Data Visualisation, GPT, ANN, CNN, VGG16, RNN, LSTM, EDA,OpenCv.
- Python, Django
- MLflow, jenkins
- Mysql, MongoDB
- Pinecone vector database
- Git, Docker
- HTML, CSS, Flask, Streamlit

Certification

- Full Stack Data Science, Ineuron - Current
- Data Science, Digital Nest. - 2022
- Machine Learning, Internshala. - 2021
- Docker and Kubernetes : The Complete Guide, Udemy - 2022

Experience

April 2023 - Present
IndiaNIC Infotech Limited, Ahmedabad - Software Engineer
- Collaborated with multi-disciplinary teams to understand business requirements for the products and projects.
- Managed optimisation of Machine Learning and Deep Learning models using GPT, Da Vinci model, AADA model etc.
- Diagnosed bugs and data flow issues reviewing old code to ensure that data is flowing correctly and fixing when the issues are arising.

May 2021 - Jan 2023
GS Lab ltd, Pune - Software Engineer (AI/ML)
- Designed technology solutions that met or exceeded project specifications and performance expectations.
- Gathered and defined customer requirements, resulting in clear project plans.
- Developed machine learning algorithms to analyse large volumes of historical data and make predictions.
- Researched and implemented best practices to enhance the existing machine learning infrastructure.
- Assisted interns in learning about technology stacks by implementing solutions and providing guidance.

June 2019- July 2019 (Internship)
Autonetics Automation,Nashik - Embedded System Developer
- Gained foundational skills in Linux systems, embedded C/C++ programming, and components such as A-D converters, D-A converters, and actuators.
- Implemented projects involving Wireless Spider Boat and RFID CarTag System.

Projects

- **FALCON ASSIST - AI Chatbot**
Developed Falcon Assist, an AI-powered chatbot utilizing web scraping, GPT-3 embeddings, Pinecone Vector Database, Rasa framework, NLP techniques, and machine learning for interactive and intelligent conversations.
- **Shopping based on Computer Vision**
Developed an AI-based shopping recommendation system using computer vision techniques, web screen capture, scraped e-commerce data, and Google Cloud Vision API for object detection and deep image search.
- **Automated Data pipeline**
Developed a customizable automated data pipeline system in Python for streamlined data preprocessing,

Achievements

- **Received 1st price in Hackathon, challenge - SalesAI at IndiaNIC - 2023.**
- **Received 2nd Runnerup in Hackathon,challenge - AutoGen (Automation Generator) at GSLAB - 2022**