Siddharth Latthe

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Education

Vishwakarma Institute of Information Technology — Pune, Maharashtra
Electronics and Telecommunication Engg,CGPA- 9.59 — *2020–2024*

Chh. Shahu Vidyalaya — Kolhapur, Maharashtra
82.00 — *2020*

St.Xavier's High School — Kolhapur, Maharashtra
92.40 — *2018*

Experience

Jr. Cloud Developer — Jan 2024 – Jun 2024
Adaptive Kloud Management Services Pvt, Ltd (AKMSPL) — *Remote*

- Explored various security aspects related to cloud management services.
- Worked on AWS Secrets Manager service, for managing secrets accross various regions.
- Worked on centralized automation of company's infrastructure using Terraform.
- Explored Dagster (ETL tool) and implemented it with docker for high end automation and less memory usage.
- **Technologies:** Python,Flask,Docker, Terraform,Github,CI/CD pipeline,Dagster

Research Intern — May 2023 – Aug 2023
VIIT College — *Pune*

- Worked under the guidance of Dr. Rohini Chavan for research project titled "Sentiment Analysis using VADER and Word Cloud Techniques
- Held study on the VADER module and how it can be integrated with word cloud for sentiment analysis for better user experience using streamlit web application.
- **Outcome:-** Got an accuracy of 90 percent in sentiment analysis comments which is higher than other deep learning models
- **Tech used:** Python,NLTK, sentiment-analyzer, Word Cloud, etc.

Data Science Intern — Apr 2022 – June 2022
Innomatics Research Labs — *remote*

- Worked with various ML and DS Technologies like:-Open CV, Data Analysis and MLOP's
- Created an Streamlit based software application of"Nearest Location Finder", which aims to provide the location of the nearest required destination through map visuals.
- **Tech Used:-** Geopy, Streamlit, Data Handling etc

Projects

Stable Diffusion with Explainable AI| *-Diffusers,Pytorch,Lime,Shap,etc* 08/2023-01/2024

- A research project, involving exploration of Stable Diffusion text- to-image model and how it can be integrated with Explainable AI for user convenience
- First of it's state-of-the-art integration of Stable Diffusion and XAI
- Outcome expected:- High-end accuracy of stable diffusion model,enhanced UI with XAI.

Skin Cancer prediction using UV rays sensor and Arduino | *ML8511 UV Sensor, Arduino NANO*11/2022 - 01/2023

- Developed a ML based application that would take the data from the sensor and predict whether there are chances of having skin cancer or not
- Used Arduino software for getting the reading from the UV sensor and exported the same in (.csv) file
- Developed a model which would detect the disease with an accuracy of 70 percent.

Movie Recommender System | - *Data Handling,Python (Streamlit,Pickle,Pandas,Numpy etc)* 11/2022 - 12/2022

- Designed a system that would take TMDB dataset(5000) of Hollywood Movies and applied various Data Handling techniques and with the help of Python Libraries , implemented this recommended system of as a web application.
- Implemented this recommended system of as a web application (streamlit).
- Outcome:- Accuracy achieved upto 93 percent

Technical And Soft Skills

Tech Skills:- Python, Networking, Docker, IoT, Machine/Deep Learning, Data Science, Github, AWS, SQL, Excel.

Soft Skills:- Communication, Leadership,Time-Management, Multi-tasking, Pytorch/Tensorflow

Publications

Got an Acceptance Offer for Research Paper titled "Sentiment Analysis through VADER and Word Cloud Techniques", for publication under Indexing of SCOPUS/Web Of Science at AIAMMS-23, Jaipur, Rajasthan Acceptance Cerdentials

Got an Acceptance offer for paper titled "Innovations in Text-to-Image Generation: Exploring Stable Diffusion's Potential"at Vishwacon Conference-23 under Taylor and Francis series book as a Chapter Acceptance Credentials

Received an Acceptance for paper titled "A Dive into Stable Diffusion's Revolutionary Text-to-Image Capabilities" at Journal of Harbin Engineering University(JHEU) under Scopus indexing Acceptance Credentials

Course Certifications

Machine Learning LVL-2 and 3 from Infosys Springborad Link

World of Computer Networking Link

Dagster Essentials Link

Microsoft's Automate Workflow Github Actions Link

AWS Cloud Practioner Essestials Link

Intro to Data Science and Analytics Link

SQL for Data Analytics Link

Achievements

Top 30 (26th) in Mettl's (AI Arena 1.0) Hackathon