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SUMMARY

4+ months of experience in the industry with 6+ months of experience in **Data Science** and machine learning. Exposure in building data models, data processing, data visualization and applying **Machine Learning** and **Deep learning** concepts using python scripting. Capable of creating, Developing and testing highly adaptive diverse services to translate business problems into substantial deliverables.

- Convert a business problem into a data driven ML solution.
- Completing **an end-to- end Machine Learning project**.
- Examine data from multiple sources and share insights which provide competitive advantage.
- Artificial Intelligence integrated services **like Market Analysis and Segmentation**, Smart Regions Program.
- **Businesses to Businesses using Data Analysis and Machine Learning**.
- Flask – Front End for deployment.
- Working on different ML models like (ARIMA, SARIMA, KNN, naive bayes, NLP, NER, Matplotlib).

SKILLS

- **Languages** R, Python, SQL
- **Machine Learning:** Linear/ Logistic Regression, SVM, Decision Tree, Random Forests, KNN, K-Means, NLP, Naive Bayes, etc.
- **Deep Learning:** ANN, CNN, RNN with LSTM,
- **Frameworks & Libraries:** TensorFlow, Keras, Flask , StreamLit, NumPy, Pandas, Matplotlib, Scikit-Learn
- **Database:** MySQL, MongoDB
- **Familiar with:** Heroku ,openCV, Google Colab, Docker, Spyder, AWS, HTML

EDUCATIONAL QUALIFICATION

- Data Science Diploma, from 360digitMG, Hyderabad, Telangana, 2021(82.00%)
- Bachelor of Science (Mathematics), From Chhatrapati ShahuJi Maharaj University, Kanpur, 2016 – (60.01%)
- H.S.C (2013) CBSE, from Maharishi Vidya Mandir, Fatehpur, Uttar Pradesh-(56.7%).
- S.S.C (2010) CBSE, from Maharishi Vidya Mandir, Fatehpur, Uttar Pradesh-(CGPA: 6.6).

CERTIFICATIONS

- IBM CERTIFICATION - Machine learning with python.
- Certification of project completion (INNODATATICS)
- Python programming language(Udemy)

WORK EXPERIENCE

Organization	From	To	Designation (Role)
FeyNN labs	December,2021	Till date	Machine Learning Intern
INNODATATICS	September,2021	December,2021	Data Scientist intern
Elite Techno Groups	August, 2021	September,2021	Python for ML/AI Internship

PROJECT DETAILS

PROJECT 1

Project	:	**Predictive Agricultural Analytics**
Client	:	INNODATATICS
Duration	:	Jan 2022 – Mar 2022
Team Size	:	12
Role	:	Data collection , Model building Create Documentation
Technology	:	**Machine Learning model**

Description:

The model Recommend the best Crop & return on investment with high accuracy using historical data collected using various agricultural sites & Journals.
- It will help farmers to select proper options of crops for cultivation.
- To recommend proper crops suitable with soil and environment to the farmer.
- Using **XGBoost algorithms to recommend crops with Good Return on Investment**.
- **Accuracy:** - Test - 92.52 precision-0.93 recall -0.91 f1 score -0.92 Train- 92.54.
- **Deploying** model using Streamlit.
- It will raise their profit margin and might reduce their loss.

PROJECT 2

Project	:	**Feature-Extraction-from-Medical-Journals**
Client	:	INNODATATICS
Duration	:	Oct 2021 – Dec 2021
Team Size	:	5
Role	:	Model building , Front end , deployment
Technology	:	**NLP (Machine Learning model)**

Description:

Named Entity Recognition is one of the key entity detection methods in **NLP**.
- ScispaCy for deep learning, neural network models for processing Biomedical, scientific or clinical text.
- Error reduction with **80% of accuracy.**
- Deploying model **using Streamlit.**

PROJECT 3

Project	:	**Data Driven Decision Models for Investment in Bonds**
Client	:	INNODATATICS
Duration	:	Sep 2021 – Oct 2021
Team Size	:	13
Role	:	Data collection ,Model building , Front end , deployment
Technology	:	**Time Series Forecasting(Machine Learning model)**

Description:
This project is a simple Forecasting model. Not taxes were put into use when calculating returns. IRFC Bond is a tax free bond but SGB we need to pay taxes if we try to sell it before the maturity period is over. Inflation rate and global pandemic situation is a rare phenomenon and it is beyond anyone's control.
- Python – ML model (**auto_arima (for grid search to find p, q, d values**), ARIMA (for forecasting values)).
- Database - SQLite.
- Deploying model **using Flask**