C-DAC's Advanced Computing Training School

Common Campus Placement Programme

Resume

Basic Information

Name : **Rutuja Manoj Magdum**

CCPP ID : PB0221

Course : PG-DBDA,Feb25

Address : Dudhgaon, Tal-Miraj, Dist-Sangli, Sangli, MAHARASHTRA

PG-DBDA Marks

S.NO.	Module	Maximum Marks (Theory)	Obtained Marks
1	Data Collection & DBMS	40	32
2	Object Oriented Programming with Java 8	40	17
3	Python & R Programming	40	25
4	Advance Analytics using Statistics	40	19
5	Data Visualization - Analysis and Reporting	40	27
6	Big Data Technologies	40	31
7	Linux Programming and Cloud Computing	40	24
8	Practical Machine Learning	40	27
	Total	**320**	**202**

Academic Details

Level	Stream	Institute	Board/University	Passing Year	Degree %	Division
BTech	Computer Science & Engineering	Rajarambapu Institute of Technology, Islampur	Shivaji University , Kolhapur , Maharashtra	2024	71.64 %	I
XII	Science	Rajput College of Science, Sangli	Maharashtra State Board of Secondary & Higher Secondary Education	2020	81.07 %	I
X	General	Appasaheb Birnale Public School, Sangli	Central Board of Secondary Education	2018	86.6 %	I

Academic Projects

Title : **AgriPredict: ML-Driven Insights for Data-Driven Crop Production, Yield Forecasting, and Risk Mitigation.**

Platform : 1) Programming: Python,ML,Deep Learning, Time Series etc. 2) Database : SQL 3) Tools: Pyspark 4) UI:Streamlit 5) Cloud: AWS 6) Dashboard: Tableau

Duration : 1 Month

Description : This project develops an intelligent agricultural analytics system using ML and big data technologies to optimize crop production strategies across India.We employ PySpark for distributed data processing of historical agricultural records and Hive for structured data management.Our ML pipeline incorporates regression models for yield prediction, classification for crop recommendation (Random Forest, Ensemble Learning, Regression,Neural Networks)and time series analysis (SARIMA) for production forecasting .The system identifies regional production patterns, seasonal variations, and optimal cultivation practices through comprehensive feature engineering and model evaluation.Analytical results are visualized through interactive Tableau/Power BI dashboards and User Interface, providing actionable insights for farmers and agricultural policymakers.This end-to-end solution demonstrates how big data technologies and machine learning can enhance agricultural productivity.

Project Repository : https://github.com/shraddhaM3/AgriPredict-ML-Driven-Insights-for-Data-Driven-Crop-Production-Yield-Forecasting-and-Risk-Mitigat.git

Title	:	**SPORT-TRACK**
Platform	:	Python **Duration :** 18 Months
Description	:	Designed and developed a specialized sports scheduling application utilizing advanced machine learning methodologies to automate and efficiently generate optimized match schedules for diverse tournaments and leagues. Pioneered the implementation of a sophisticated genetic algorithm, serving as the core optimization engine; meticulously defined multi-objective fitness functions to balance competing priorities such as competitive fairness, venue availability, team preferences, and minimized match repetition. Engineered a robust constraint management system within the GA model, effectively handling a wide array of hard constraints (e.g., non-negotiable venue capacities, mandatory rest days, team availability) and soft constraints (e.g., preferred match timings, balanced home/away game distribution) to ensure optimal and feasible schedules. Significantly enhanced scheduling efficiency and system robustness through the strategic integration and refinement of advanced optimization algorithm.

Other Information

LinkedIn	:	https://www.linkedin.com/in/rutuja-magdum-2548512qa/
Technical Certification	:	Red Hat Certified System Administrator (RHCSA)
Any Other Trainings	:	Red Hat Training (System Administrator)
Hobbies	:	Exploring new places, Treking, Sketching, Listening Music

Personal Information

Date of Birth	:	12/01/2003	**Gender :**	Female
Nationality	:	Indian	**Foreign Languages :**	English
Languages Known	:	Marathi, Hindi		

I hereby declare that the information given above is true to the best of my Information knowledge belief.

Date : **Signature :**

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