

AYUSH JHA

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EDUCATION

Marathwada Mitra Mandal's College of Engineering, Pune, MH
Artificial Intelligence and Data Science

Expected: May, 2027
Overall GPA: 9.32

TECHNICAL COURSES

Data Pre-processing, Chatbot Development, Machine Learning, Deep Learning, Relational Databases, Data Analysis, Statistics, Data Structures and Algorithms, Operating Systems, Computer Networks

PROJECTS

Food Mood: Health and Nutrition based Chatbot for generating meals based on how the user is feeling

- Developed a user-friendly web application called "Food Mood", aimed at improving health and nutrition.
- By providing inclusive features such as Voice Recognition, Travel Buddy ensures accessibility for all users.
- This platform utilises Generative AI and the Dialogflow by Google to offer dynamic recommendations and simplify meal selections for users with health issues as well.

AgroSight

- Developed an ML application for government to predict the prices of essential crops for effective buffer management.
- Used web scrapping for retrieving real-time data from govt database and implemented an ETL pipeline for prediction.
- Achieved an accuracy of 98.10% on both training and test data.

Predictive Maintenance of Vehicles

- Cleaned and transformed a Kaggle dataset, applied one-hot encoding to 6 categorical features, and utilised a Random Forest Regression model to predict electric vehicle maintenance needs with an good accuracy. By providing inclusive features such as Voice Recognition, Travel Buddy ensures accessibility for all users.
- Achieved an 91.04 percent accuracy on the predictive model, significantly enhancing preventive maintenance.

Vital

- It is a web-application which takes user's information during sign up like allergies, age, BMI Index to generate personalised meal recommendations periodically.
- Integrated it with MongoDB and Llama to for real-time generation.
- This platform utilises Generative AI and the Dialogflow by Google to offer dynamic recommendations and simplify meal selections for users with health issues as well.

SKILLS

- **Technical Skills:** Machine Learning, Data Manipulation, PowerBI, Data Structures, Algorithms, Data Analysis, Git, Linux.
- **Programming Languages:** Python, C++, Javascript, MySQL, Object Oriented Programming.
- **Non-Technical Skills:** Leadership, Content Creation, Creativity, Decision Making, Teamwork, Conflict Resolution.
- **Hobbies and Interests:** Chess, Puzzle Solving, Music, photography, Gaming, Astronomy and Stargazing.

EXPERIENCE

Machine Learning Intern

London, UK (REMOTE)

RHV Group

June, 2024 - August, 2024

- Performed Data Analysis and Machine Learning tasks in order to predict sales and work with online product ordering for better sales using Machine Learning algorithms such as Time-Series and ARIMA models.
- Explored recommender systems and successfully implemented hybrid recommender system to improve customer engagement.
- Successfully made a customer support chatbot to help users with queries and help them easily use the Client's services.

Data Science and Machine Learning Intern

Pune, Maharashtra

Cognifyz Technologies

April, 2024 - May 2024

- Made a chatbot to improve the customer-flow for a client related website.
- Cleaned a 12 year Sales Dataset and performed Time-Series Analysis on it to predict future sales.