# Ukant Jadia

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## Objective

To apply knowledge of data science and machine learning in a challenging research-oriented position, and contribute to the development of innovative solutions that solve real-world problems.

## Experience

**Cognus Techonology - Flutter** May-Aug 2023

- Contributed to the live project "Gradding" at Cognus Technology.
- Gained foundational Flutter development skills and transitioned to research and analysis.
- Successfully met project targets and received positive feedback from supervisors and colleagues.
- Developed a strong work ethic and valuable professional experience.

## Educational Details

**BTech in Computer Science(AI-ML)** 2020-2024
Sir Padampat Singhania University, Udaipur Rajasthan
**CBSE XII** 2018-2020
Oasis Sainik School, Hanumangarh, Rajasthan

## Projects

### Loan Prediction

- *Duration*: August 2022 - November 2022
- *Description*: Developed a Loan Prediction Application in Python using Machine Learning to assess loan approval.
- *Technical Stack*: Python, Machine Learning
- *Key Achievements*:
  - Processed loan data, handling missing values and outliers.
  - Employed Logistic Regression and Random Forest for predictive modeling.
  - Addressed imbalanced data with oversampling and undersampling.
  - Designed a user-friendly input interface for non-technical users.
- *Result*: Successfully built a Loan Prediction Application, enhancing my machine learning and data preprocessing skills.

### Travel Tales

- *Duration*: May 2023 - July 2023
- *Description*: Developed a Flutter-based chatbot integrated with GPT-3.5 for travel recommendations, featuring an intuitive UI for itinerary customization and a monument information retrieval system.
- *Technical Stack*: Flutter, GPT-3.5
- *Key Achievements*:
  - Created an engaging travel chatbot.
  - Seamlessly integrated GPT-3.5 for personalized recommendations.
  - Designed a user-friendly interface for itinerary planning.
  - Implemented a monument information retrieval system.
- *Result*: Successfully crafted Travel Tales, enhancing travel experiences through technology and intuitive design.

### Air Quality Prediction

- *Duration*: July 2022 - December 2022
- *Description*: Developed an ML model for air quality prediction using environmental data, focusing on pm2.5 tracking.
- *Technical Stack*: Python, Machine Learning, Data Preprocessing
- *Key Achievements*:
  - Gathered and preprocessed diverse environmental data to create a robust dataset.
  - Addressed missing data and outliers with advanced data imputation techniques.
- *Result*: Successfully built a reliable air quality prediction model, improving environmental monitoring.

## Achievements

Ranked 2nd in challenging WCAIAA Coding Hackathon in 2023
Ranked 2nd in IEEE SPSU Ideathone in 2021
Ranked 1st in IEEE SPSU Ideathone in 2020

## Skills

### Technical Skills

**Languages**
Python, Dart, C++, Markup, Java, Bash/Shell
**Programs and Platform**
Nginx, Flutter(Android), Debian(Linux), Vim, ffmpeg, tmux, SSH, RStudio, Pandoc, Git,
**Concepts**
Flutter(Android), Data Structure, Machine Learning
**Database**
MySQL

### Soft Skills

Time Management
Organise
Goal oriented

## Accomplishments

**IEEE Event Volunteer 2020:** Organized IEEE Day & Ideathone, contributing to successful execution.
**FDP Workshop 2020:** Collaborated in a dedicated team for a 5-day Faculty Development Program.
**IEEE Day Leader 2021:** Spearheaded IEEE Day, showcasing leadership and event management skills.
**NCC C Certificate:** Demonstrated commitment, discipline, and dedication.
**Data Science Course:** Completed a comprehensive course through Internshala, enhancing analytical skills.
**IIM Udaipur Ideation Program:** Gained exposure to innovative thinking and problem-solving.