

# Rakesh Oza

Portfolio: Rakesh Oza  
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## EDUCATION

- Zeal College of Engineering and Research** Pune, India
  - Bachelor of Engineering - Computer Engineering; CGPA: 8.48 Feb 2020 - June 2024
  - Courses:** Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

## SKILLS SUMMARY

- Languages:** Python, PHP, SQL
- Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Streamlit, Flask
- Tools:** Kubernetes, Docker, GIT, MySQL
- Platforms:** Linux, Windows, AWS, GCP
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- Data Science with Gen-AI Intern** Pune-Hybrid
  - Innomatics Research Lab (Full-time) Sept 2024 - Present
    - AI Code Reviewer:** Developed using Python and integrated LLM models for automated feedback.
    - Diamond Price Prediction:** Built with EDA and feature engineering to enhance accuracy.
    - Data Analysis:** Performed on EV and AMCAT datasets using Pandas, Matplotlib, Seaborn.
    - Web App Development:** Implemented Flask and Streamlit Frameworks for interactive ML projects.
- AI / ML Intern** Remote
  - YBI Foundation (Part-time) June 2024 – July 2024
    - Machine Learning Models:** Built and optimized ML models for tasks in computer vision and natural language processing.
    - Data Analysis:** Conducted data preprocessing and exploratory analysis to enhance model accuracy.
    - Project Work:** Worked on a Movie Recommendation System, implementing collaborative and content-based filtering techniques.

## PROJECTS

- Gen-AI Code Reviewer** Link to Project
  - Developed using Python and Streamlit November 2024 - December 2024
    - Google Generative AI Integration:** Integrated with Google Generative AI API for real-time AI-powered code analysis.
    - Actionable Feedback:** Provided suggestions for bug fixes, optimizations, and coding best practices.
    - UI Design:** Designed an intuitive interface using custom CSS to enhance usability for developers.
- GemPricer AI-Diamond Price Prediction Model** Link to Project
  - Dynamic Machine Learning Model December 2024 - Present
    - ML Integration:** Built a model to predict diamond prices based on carat, cut, color, clarity, depth, table, and dimensions.
    - Frontend Development:** Developed a dynamic interface using HTML, CSS, JavaScript, and Bootstrap.
    - Backend Work:** Currently integrating the ML model to provide accurate price predictions.
- Electric Vehicle Analysis** Link to Project
  - Comprehensive Data Analysis September 2024 - October 2024
    - Performance Insights:** Analyzed EV datasets to extract performance and user behavior trends.
    - Data Cleaning and Preprocessing:** Performed thorough data cleaning and preprocessing to ensure accurate analysis and meaningful insights.
    - Visualization:** Developed visualizations to showcase EV adoption patterns and sustainability metrics.
- Eklavya - Desktop Voice Assistance** Link to Project
  - AI-Powered Desktop Assistant July 2024 - August 2024
    - Automation Features:** Developed task automation using Python and voice recognition.
    - Library Integration:** Used Speech Recognition, Pyttsx3, and OpenAI API for intelligent interaction.
    - UI Optimization:** Enhanced productivity with an intuitive user interface design.

## CERTIFICATIONS

- Python :** Certified Python Developer Association-CPDA-24
- Data Processing Specialist:** AMCAT- 2023
- Data Science :** Linkedin Learning- 2023