ANKIT M ZANZMERA

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📍 Bangalore, India

SUMMARY

Highly motivated Data Science and Analytics professional with a Master's degree seeking to leverage strong analytical and technical skills in a data-driven internship. Possesses experience in Machine Learning, Deep Learning, Computer Vision through coursework and current internship at Pravaig Dynamics. Eager to contribute to real-world problems and gain industry experience.

WORK EXPERIENCE

- Company Name : Pravaig Dynamics Pvt. Ltd.
  - Designation: AI/ML Intern

Banglore, Karnataka
Feb 2024 - Present

PROJECTS

Project - 1 :
Role: AI/ML Intern
Title: Auto-Annotation Tool for Image Annotation
Description :
- Developed a user-friendly auto-annotation tool using HTML and CSS for frontend design and **Flask for backend functionality**.
- Integrated transformer-based models including **Grounding Dino** and **Segment Anything Model** (developed by Meta) to automate image labeling based on user-defined classes.
- **Implemented a user prompt system** enabling easy annotation of images by assigning classes directly within the interface.
- Incorporated functionality to download annotated images, and annotation files, providing users with labeled data for further analysis and model training.
- Achieved significant reduction in annotation time by **60%-80%** through the utilization of advanced machine learning algorithms.

Project - 2 :
Role: AI/ML Intern
Title: Vehicle Tracking with Road Lane Detection
Description :
- Spearheading the development of a vehicle tracking system leveraging **YOLO model** for vehicle detection and **Hybridnets for road lane detection.**
- Integrating both models to achieve seamless tracking of vehicles and accurate detection of road lanes in real-time scenarios.
- Implementing advanced algorithms for object tracking and lane detection to ensure robust performance across diverse environmental conditions.
- Conducting extensive testing and validation to optimize performance and reliability of the vehicle tracking system.

EDUCATIONAL BACKGROUND

Master of Science in Data Science and Analytics   **Aug 2022 - Apr 2024**
Jain (Deemed-to-be) University   Bengalore, Karnataka

- Acquired comprehensive knowledge in statistical analysis, **machine learning, Deep Learning**, **Natural Language Processing**, and predictive modeling.
- Developed expertise in programming languages such as **Python, R, and SQL** for data manipulation, visualization, and analysis.

Bachelor of Computer Applications   **Jul 2019 - May 2022**
SDJ International College   Surat, Gujrat

- Attained a strong foundation in computer science fundamentals including programming languages like **C, C++, JAVA and PHP**.
- Gained practical experience in **database management systems**, software engineering principles, and web development techniques.

CERTIFICATIONS

- Data Science Masters :
    - Equipped with hands-on data science skills from **PW Skills**. Mastered Python, ML, DL, NLP, Big Data and data visualization. Eager to drive data-driven decisions and impact.

PERSONAL PROJECTS

Diamond Price Prediction   :: Github Link
Brain Tumor Image Classification   :: Github Link
Sign Language Detection (yolov5)   :: Github Link
Biker helmet Detection   :: Github Link
Custom GAN Model   :: Github Link
ChatBot using Openai API deployed on Telegram   :: Github Link
Hate speech classification using LSTM   :: Github Link
Text Summarizer using pretrained Model   :: Github Link

DECLARATION

I hereby declare that all the above mention details are correct up to my knowledge.