UTKARSH WAGH

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EDUCATION

VIT Bhopal, University   (2022-2026)

Bachelors in technology: Computer Science and Engineering

PROJECTS

Park-Ease: Interactive Parking Management System| Python, Tkinter and YoloV8

- Designed an AI-enabled parking system using Tkinter for intelligent space allocation and dynamic management.
- Deployed YOLOv8 for real-time vehicle identification, achieving 95% accuracy in entry/exit tracking.
- Developed a data-driven system for optimizing parking space utilization and reducing manual intervention by 80%.
- Integrated an analytical dashboard to log vehicle activity, facilitating enhanced accessibility for data insights and monitoring.
- Stored parking data efficiently in a database for easy management and retrieval.

DocuFlow: **Seamless Document Processing and Automation**| Web Development and Python

- Developed a Flask-powered web platform enabling users to streamline document processing by integrating automated PDF merging, OCR capabilities, and structured data extraction.
- Utilized Python-based libraries such as pdf2image, PyMuPDF to enhance text recognition efficiency, leading to a 40% reduction in document handling time.
- Engineered a responsive and interactive interface leveraging HTML and Bootstrap, optimizing usability and boosting engagement rates by 30%.
- Implemented an advanced file management workflow to optimize error handling, ensuring 25% faster processing and seamless multi-page document processing.
- Integrated Tesseract OCR and Poppler for intelligent table extraction, successfully converting non-editable data into 100% structured formats for downstream analysis.

ADDITIONAL

Technical Skills: Python, Java, C/C++, SQL, Machine Learning, NLP, Data Analytics, Git

Certificates:

- NPTEL Elite certification in Marketing Analytics and Cloud Computing.

Team Lead (MUN Club, VIT Bhopal):

- Drove a 30% increase in delegate applications by streamlining the registration process, managing event timelines, and implementing a user-friendly online platform for five Model UN events.
- Orchestrated logistical operations for five Model United Nations conferences, managing team assignments and event timelines that led to a 200+ participant attendance increase year-over-year.