Akshay Khobragade

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Projects

Pest Prediction — Link | *Recommender System, Python, Machine Learning* **Feb 2021**
- **Engineered** and **Implemented** Recommender Algorithms for **30% more precise** pest prediction using cameras and extensive datasets.
- **Utilized ML** and **Data Analysis Techniques** to achieve a **20% reduction** in pest-related incidents, staying updated on **cutting-edge pest control strategies**.
- **Devised Algorithms** for **25% improved** pest recognition from images, **Collaborating with teams** to optimize performance.

Gender and Age Detector — Link | *Python, Machine Learning, Deep Learning* **Jan 2024**
- Led development of Age and Gender Detection system with **Machine Learning** using **Python, Tkinter, Keras, and Pillow.**
- Overcame technical hurdles to **Integrate Deep Learning Model** seamlessly, resolving **Tkinter and Keras compatibility.**
- Engineered intuitive **GUI** enabling **Image upload and Real-time result Visualization**, enhancing user experience.
- Contributed to **Model training, Optimization, and GUI development,** ensuring **Robust system** functionality.

Quiz App — Link | *HTML, CSS, JavaScript* **Jan 2023**
- Designed and developed an **Interactive Quiz App** with **real-time** scoring.
- **Enhanced** user engagement and **Efficiency** in score calculation.
- Collaborated seamlessly across departments to deliver a **Bug-free, Visually Appealing**, and highly **Optimized App**, resulting in **Superior User Satisfaction**.

E-Commerce Platform Built with MERN Stack — Link | *MongoDB, Express, React, Node* **Oct 2023**
- Developed comprehensive e-commerce platform using **MERN stack** for **end-to-end solution**.
- Designed **Scalable Architecture** with optimizations for performance and efficiency.
- Integrated responsive **Design**, **Intuitive Navigation**, and **Personalized User Experience**.
- Implemented essential e-commerce features including **Catalog Management** and **Secure Payment Processing**.

Work Experiences

Machine Learning Engineer (Intern)— Certificate Link | *NullClass* **Nov 2023 - Feb 2024**
- Developed an **Age and Gender Detector** using machine learning, focusing on **Model Accuracy** and **Real-Time Application** integration.
- Performed **Data Preprocessing, Feature Extraction, and Model Optimization**, enhancing the overall system performance.
- Gained hands-on experience in **Machine Learning Workflows**, from **Data Collection to Model Deployment**.

Technical Skills

Languages: C/C++, JAVA, Python, HTML/CSS, JavaScript, SQL, MongoDB
Developer Tools: VS Code, Pycharm, Google Cloud Platform, Git, MySQL, Jupyter Notebook
Technologies/Frameworks: Linux, GitHub, React, Node.js, Express.js, Pandas, Numpy, Matplotlib
Soft Skills: Excellent Communication, People Management, Problem Solving

Education

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY **2022 − 2024**
Maters of Technology in Computer Science and Engineering *Bhubaneshwar, Odisha*
CGPA : 8.04

Sipna College of Engineering and Technology **2017 − 2021**
Bachelor of Engineering in Computer Science and Engineering *Amravati, Maharashtra*
Percentage : 83.98

Certificates & Achievements

- **Project Management Certification And Python Certification** -Udemy
- Consistently recognized for **Academic Excellence** with awards in 2015 and 2017.
- Successfully **qualified GATE Exam** in both 2022 and 2023, demonstrating strong technical prowess.
- Received **1st Prize and certificate** of recognition for **outstanding performance** in **Dance and Theater Act** competition, showcasing exceptional artistic talents.