

Prajwal Arjun Kanade

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BTech - Artificial Intelligence and Data Science

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EDUCATION

- Bachelor of Technology in Artificial Intelligence and Data Science
CSMSS. Chh. Shahu College of Engineering, Aurangabad
- Jan 2021 - June 2024
CGPA: 8.41

PROJECTS

- Age and Gender Detection System**
 - Achieved 93% accuracy in real-time age and gender detection on live CCTV feeds, processing at 25 FPS using DeepFace and CUDA.
 - Stored 5,000+ face detections in MySQL, classified by age and gender using OpenCV.
 - Boosted performance by 40% through TensorFlow, PyTorch, and OpenCV integration.
- Smart Resume Analyzer**
 - Engineered an innovative Smart Resume Analyzer using NLP technology to efficiently parse resumes, cluster keywords, and deliver personalized insights, enhancing recruitment process efficiency by 60%.
 - Strategically integrated Streamlit, HTML, CSS, and JavaScript for frontend optimization, and orchestrated Python, MySQL for backend, resulting in a 70% user engagement boost.
 - Accomplished a notable 90% accuracy post-training with 200+ resumes, optimizing data processing through seamless database connectivity and backend operations.
- Face Recognition-based attendance monitoring system**
 - Implemented an intelligent solution that seamlessly captures and identifies 40 students' faces through camera input.
 - Enabled automatic marking of attendance by matching recognized faces with the stored database. Efficiently recorded attendance data into a streamlined CSV file.
 - A dataset of 40 students was collected, the trained model Attained 92% accuracy
- Student Management System using JAVA and SQL**
 - Designed and implemented a Student Management System using Java and SQL, featuring a user-friendly interface with 4 distinct pages.
 - Created a SQL database with 4 carefully organized tables to efficiently store and manage data.
- Onion Harvester (TIFAN2k22)**

As head of the innovation department, I led the development of an AI-based onion detection system, contributing to our team's second runner-up position in the TIFAN competition

EXPERIENCE

- AI Engineer (Wabi Sabi Sustainability LLP)** **June 2024 - Present**
 - Developed an Age and Gender Detection model on Jetson Nano, achieving 100+ FPS and processing 800+ frames/min using CUDA, DeepStream, TensorFlow, Keras, and Scikit-learn.
 - Built a Vehicle Detection model with 150+ FPS, handling 5,000+ detections/day using YOLO, PyTorch, DeepStream, and CUDA.
- Data Science Intern (xScientist Tech LLP)** **Sep 2023 - March 2024**
 - Led the execution of 10+ projects, showcasing expertise in Python, SQL, Django/Django-ORM, Flask, Git, and WebScraping, ensuring seamless integration with cross-functional teams.
 - Secured a remarkable 95% improvement in project timelines, optimizing efficiency in project delivery and exceeding client expectations.

SKILLS

Programming Languages: Python, R, Java, SQL

Libraries: NumPy, Pandas, BeautifulSoup, Scikit-learn, PyTorch, NLTK, Keras, Matplotlib, Selenium, Seaborn, Plotly

Frameworks: TensorFlow, Flask, Django, LangChain

Databases: MySQL, MongoDB, PostgreSQL

Cloud & AI Technologies: AWS, OpenAI, Llama, Generative AI, LLMs, RAG

Data Analysis Tools: Power BI, Tableau, Excel

Areas of Interest: Data Science, Artificial Intelligence, Deep Learning, Machine Learning, NLP, Generative AI

Soft Skills: Leadership, Teamwork, Communication, Self-Learning

CERTIFICATIONS

- Python
- Machine Learning
- NPTEL - Data analytics with python
- NPTEL - Internet of Things
- AMCAT Certification

ACHIEVEMENT

- Achieved Kaggle Expert level by creating and publishing 10+ Jupyter notebooks on data visualization, machine learning and predictive analytics;
- Earned 1 gold, 4 silver and 11 bronze medals for data science solutions that improved data-driven decision making.