

# Prajwal Arjun Kanade

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BTech - Artificial Intelligence and Data Science

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 [GitHub](#)  [Kaggle](#)

 [Portfolio](#)  [LinkedIn](#)

## EDUCATION

- Bachelor of Technology in Artificial Intelligence and Data Science  
CSMSS. Chh. Shahu College of Engineering, Aurangabad
- Jan 2021 - June 2024  
CGPA: 8.37

## PROJECTS

- 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
- 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.
- Handwritten Character Recognition using Neural Network**
  - Executed intricate data preprocessing methodologies, elevating model readiness.
  - Demonstrated expertise in model training, culminating in a notable 88% accuracy milestone for precise character identification.
- 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 intern (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, MySQL, Java

**Libraries:** Numpy, Pandas, BeautifulSoup, Scikit-learn, Pytorch, NLTK, Keras, matplotlib.pyplot, selenium, seaborn, plotly

**Frameworks:** Tensorflow, Flask, Django

**Databases:** MySQL, MongoDB, PostgreSQL

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

**Soft Skills:** Leadership, Teamwork, Communication, Self-learning

**Data Analysis Tools:** PowerBI, Tableau, Excel

## 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.