Ritika Shinde

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EDUCATION

JSPM's Rajarshi Shahu College of Engineering **2023-2026**
B.Tech , Automation And Robotics
Janata Public High School and Junior College, Naigaon, Nanded **2022**
Senior Secondary (XII), Percentage: 85.00%

EXPERIENCE

Data Analyst: Nullclass **Jun 2024 – Jul 2024**

- Developed a real-time job analysis portal using Python, enhancing data analysis efficiency by 30% through data cleaning, visualization, and deployment on Netlify.
- Collaborated with the team to extract, process, and visualize data using Pandas, Matplotlib, and Tableau, providing actionable insights for improved decision-making

Data Analytics and Job Simulation: Accenture **Jun 2024 - Jul 2024**

- Performed **data cleaning, preprocessing, and EDA** using Python to extract insights and enhance data quality.
- Built **visualizations and dashboards** to communicate findings and support strategic decision-making.

Robotics Intern: Kodacy **Mar 2024**

- Developed and simulated **robotic models and algorithms** using **Python and ROS**, implementing **control systems and path planning techniques** to enhance automation processes.

SKILLS

Python	Data Analysis	HTML
Machine Learning	Natural Language Processing	CSS
SQL	Model Training and Evaluation	Power BI
C/C++	Data Cleaning	Neural Networks

PROJECTS

SAR Satellite Image Change Detection

- Developed an unsupervised deep learning model using Python and TensorFlow for detecting changes in SAR satellite images.
- Pre-processed SAR data and applied techniques like Difference Image Generation and Thresholding, achieving over 85% accuracy.
- Visualized detection results with Matplotlib for detailed reporting and analysis.

AttendBot: Autonomous Attendance Delivery System

- Implemented face detection using Python for precise identification of the HOD and secure sheet handover.
- Integrated machine vision algorithms for seamless navigation and real-time processing, ensuring efficient delivery.

Calorie burnt Prediction

- Built a calorie prediction model using Machine Learning algorithms, achieving over 90% accuracy through efficient data preprocessing and model evaluation.