SWATHI JETTIBOINA

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OBJECTIVE

With a strong foundation in Java, full-stack development, and computer fundamentals, I have expertise in machine learning, deep learning, and image processing. I have built projects like a CNN-based signature forgery detection system and a full-stack blog application. Actively contributing to the tech community, I have organized events, volunteered, and participated in hackathons like Flipkart GRiD 5.0. I strive to innovate and develop impactful solutions in a dynamic environment.

PROJECTS

1.BLOG BOOST – FULL-STACK BLOG APPLICATION   **|JAN 2024 – PRESENT**
· Built a React, Node.js, Express, MongoDB blogging application with CRUD operations.
· Added real-time likes, comments, and a responsive UI with Tailwind CSS.
· Used React hooks, Lucide React, and Vite for performance and scalability.

2. SIGNATURE FORGERY DETECTION USING CNN AND DEEP LEARNING   **| DEC 2023 - APR 2024**
· Developed a system using CNN and VGG16 for detecting signature forgery.
· Compared VGG16, basic CNN, and a hybrid model to enhance accuracy.
· Utilized Machine Learning, Deep Learning, Image Processing, and OpenCV.
· Worked with a dataset of approximately 1200 images which was created by the Team Members.

3. REAL TIME FACIAL RECOGNITION ATTENDANCE SYSTEM   **| JUN 2023 - NOV 2023**
· Implemented a Python-based system using OpenCV for real-time face detection and recognition.
· Utilized advanced Computer Vision and Facial Recognition algorithms.
· Accurately stored student attendance records, reducing manual errors with the help of automation.
· Enhanced the efficiency and accuracy of attendance tracking.

**OTHER PROJECTS:
· ATM interface design using java Abstract Window Toolkit and Swing Package.
· Chat Bot using Botpress, aimig to collect the feedback from workshop participants.
· Employee salary Prediction based on experience Machine learning model using Linear Regression.

EDUCATION

· Bachelor of Technology In Computer Science And Engineering With 9.14 CGPA (up to 7th semester),
  Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram   -**2021-2025**
· Intermediate In Maths, Physiscs, Chemistry With 97.6% *NRI Junior College , Guntur.*   **-2019-2021**

SKILLS & CERTIFICATIONS

· **Programming Skills :** Java, Python, Data Structures and Algorithms, Debugging, Problem Solving
· **Web Development :** HTML, CSS, Javascript, React, Node, Express
· **Database Management :** SQL,MonogDB, Database Administration
· **Version Control & Dev Tools** : Git, GitHub, VS Code, Colaboratory Notebook
· **Data Analysis & Machine Learning** : AI & ML, Classification, Regression, Image Processing, Basics of Neural Networks and Deep Learning (OpenCV)
· **Certifications :** Cloud computing , Leadership and Team Effectiveness (NPTEL),Machine Learning(AWS)