Harshabardhana Parida

Bhubaneswar, Odisha

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Leetcode

Education

XIM University **Aug. 2022 – Present**
Bachelors of Technology in Computer Science *Bhubaneswar, Odisha*
- Cumulative GPA: 7.78/10.00 (till 4th semester)

Shakti H.S School **2020 - 2022**
Higher Secondary *Cuttack, Odisha*
- 85% in Higher Secondary Board Examination CHSE

St. Xavier's High School **2007 - 2020**
High School *Cuttack, Odisha*
- 93% in High School Examination CBSE

Relevant Coursework

- Data Structures and Algorithms
- Database Management
- Artificial Intelligence
- Computer Networks
- Machine Learning
- Operating Systems
- Programming in C
- Data Mining and Warehousing
- Natural Language Processing
- Computer Vision and Image Processing
- Programming in Python

Experience

Machine Learning Intern **Feb 2024 – Apr 2024**
Wayspire *Gurgaon, Haryana*
- Developed a YOLOv8-based ML model for image prediction

Data Science Intern **Apr 2024 – Jun 2024**
Unified Mentor Private Limited *Gurugram, Haryana*
- Conducted Exploratory Data Analysis (EDA) for Heart Disease Diagnostic Analysis, identifying key patterns, trends, and correlations in the data to support predictive modeling and risk assessment
- Performed comprehensive data analysis on entertainer performance metrics, leveraging statistical techniques and visualization tools to derive actionable insights and improve engagement strategies

Projects

Exam-Eye (An Online Proctoring System) | *Python, OpenCV, Flask* **Project link**
- Developed an AI-powered proctoring system to monitor online exams, detecting suspicious activities like head movement, mouth opening, and presence of multiple individuals using OpenCV and Flask.
- Integrated YOLOv5 model for real-time detection of mobile phone usage and unauthorized objects.
- Designed a system to log and store detected activities, generating detailed reports for instructors.
- Implemented a live dashboard to display key metrics such as detected persons, actions, and flagged events in real time.

Heart-disease-diagnostic-EDA | *Python* **Project link**
- Conducted comprehensive Exploratory Data Analysis (EDA) on heart disease datasets to identify key risk factors and trends.
- Generated insightful visualizations using Python libraries like Matplotlib and Seaborn to interpret correlations and distributions.

Controlling Volume Using Hand Gestures | *Python, OpenCV, MediaPipe* **Project link**
- Developed a real-time system to control device volume using hand gestures, leveraging OpenCV and MediaPipe for hand tracking.
- Implemented a gesture recognition algorithm to measure the distance between fingers and map it to volume levels.
- Optimized the system for smooth and responsive interaction, achieving high accuracy and low latency.

Technical Skills

Languages: Python, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Git
Technologies/Frameworks: Linux, GitHub

Licenses and Certifications

- Certificate in Machine Learning course[**Udemy**]
- Certificate in Deep Learning course[**IBM**]