SUMANTH D P

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in Sumanth DP | apsumanth |

Bangalore, Karnataka-560060, India

PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Information Science student with a strong foundation in Python, Data Structures, and Front-End Development. Experienced in building real-world projects using Machine Learning, OpenCV, and data visualization tools. Seeking opportunities in software development, AI, or web technologies to apply my technical and problem-solving skills in a dynamic environment.

EDUCATION

• JSS Academy Of Technical Education

Information Science and Engineering

o CGPA: 8.00

• PACE UM PU College

Pre-University Education • Percentage: 83.83

· Saandeepani English High School

o Percentage: 78.24

2022-Present

Bengalore, India

2020-2022

Shivamogga, India

2017-2020 Shivamogga, India

PROJECTS

• Project A: [Ear Recognition Project]

Tools: [Python, OpenCV, Scikit-learn, NumPy, Matplotlib]

Developed an ear-based biometric recognition system using Convolutional Neural Networks (CNNs).

- Built and trained a custom CNN architecture for classifying ear images with high accuracy.
- Created a complete pipeline for data preprocessing, augmentation, training, and evaluation.
- Applied techniques such as dropout and batch normalization to improve model performance and generalization.

• Project B: [EV Energy Consumption Prediction Model]

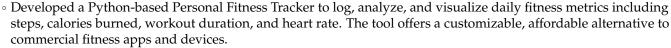
Tools: [Python, Pandas, Scikit-learn, Matplotlib, Seaborn]

 Developing a machine learning model to predict electric vehicle energy consumption based on real-world parameters.

- Implementing regression algorithms (Linear Regression, Random Forest) for accurate energy usage forecasting.
- Creating interactive visualizations to analyze patterns in battery usage, speed, and distance.

• Project C: [Personal Fitness Tracker]

Tools: [Python, Pandas, Matplotlib, Data Visualization, Basic Machine Learning]



• Implemented key functionalities such as data storage using Pandas, visual analytics with Matplotlib, and a simple user interface for efficient tracking. Ensured trend analysis and performance evaluation to help users make informed health decisions

TECHNICAL SKILLS

- · Python Programming
- Java, C (OOP Concepts)
- HTML, CSS, JavaScript
- Data Structures Algorithms

2024 - 2025 $[\mathbf{C}]$

2025 - Present

2025 - Present

 $[\mathbf{O}]$

ACTIVITIES

• Participated In: VolleyBall

Secured runner-up position in district-level volleyball tournament, showcasing strong team coordination and competitive spirit

• Participated In: VTU Athletic Meet

3rd Runner-Up, VTU Inter-Collegiate Walking (2023) Represented in VTU Inter-Collegiate Athletic Meet(2024)

LEADERSHIP EXPERIENCE

• VolleyBall

Led the district-level volleyball team as captain, demonstrating strong leadership and teamwork en route to a runner-up finish.

CERTIFICATIONS

- Hands On Tutorial On Cisco Packet Tracker
- Infosys Springboard Data Structures & Algorithms
- Infosys Springboard Artificial Intelligence & Machine Learning

ADDITIONAL INFORMATION

Languages: English, Marathi, Kannada

Interests: Sports, Travelling