

# SUMANTH D P

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[in Sumanth D P](#) | [dpsumanth](#) |

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** 2022-Present  
Information Science and Engineering  
◦ CGPA: 8.00  
Bengalore, India
- PACE UM PU College** 2020-2022  
Pre-University Education  
◦ Percentage: 83.83  
Shivamogga, India
- Saandeepani English High School** 2017-2020  
SSLC  
◦ Percentage: 78.24  
Shivamogga, India

## PROJECTS

- Project A: [Ear Recognition Project]** 2024 - 2025  
Tools: [Python, OpenCV, Scikit-learn, NumPy, Matplotlib] [\[G\]](#)
  - 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]** 2025 - Present [\[G\]](#)  
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]** 2025 - Present [\[G\]](#)  
Tools: [Python, Pandas, Matplotlib, Data Visualization, Basic Machine Learning]
  - Developed a Python-based Personal Fitness Tracker to log, analyze, and visualize daily fitness metrics including steps, calories burned, workout duration, and heart rate. The tool offers a customizable, affordable alternative to commercial fitness apps and devices.
  - 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

## ACTIVITIES

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- **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

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- **VolleyBall**

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

## CERTIFICATIONS

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

## ADDITIONAL INFORMATION

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**Languages:** English, Marathi, Kannada

**Interests:** Sports, Travelling