

Suriya S

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EDUCATION:

Masters in Data Science

Bishop Heber College, Trichy

CGPA: 7.2

(2022 - 2024)

Bachelors in Electronics

PSG College of Arts and Science

CGPA: 6.7

(2019 – 2022)

INTERNSHIP:

1. Successfully Completed Machine learning internship at Airobosoft Products and Services (Bangalore):

- Successfully completed an internship focusing on machine learning and OpenCV algorithms using Python.
- Gained hands-on experience with Python packages for data analysis, model development, and real-time image processing applications.
- Developed and implemented machine learning models and computer vision solutions for various projects.

PROJECTS:

1. Driver drowsiness Detection using OpenCV

- Developed a real-time driver drowsiness detection system using computer vision and deep learning, achieving 95% accuracy.
- Integrated the solution with hardware for live monitoring and alert generation, enhancing road safety.
- Conducted extensive testing and optimization, significantly reducing false positives and negatives.
- Implemented real-time image processing applications during the internship.

2. Mini Project on Credit card fraud Detection

- Developed a credit card fraud detection system leveraging logistic regression for initial detection accuracy.
- Proposed and integrated K-Nearest Neighbors (KNN) classifier to enhance fraud detection performance.
- Employed data preprocessing, feature engineering, and model optimization techniques to improve system accuracy and efficiency.

SKILLS:

- **Technical:** Python, Data Analytics, Machine Learning(Basics), SQL and NoSQL, Data Visualization.
- **Libraries and Framework:** PowerBI, TensorFlow, Scikit Learn, Keras, Oracle SQL, MongoDB.
- **Others:** MS Office.

COURSES AND CERTIFICATIONS:

1. Completed Course Introduction to Machine learning in **NPTEL**
2. Certified in Data Analysis with Python on Cognitive Classes (IBM).
3. Certified in Machine Learning with Python on Cognitive Classes (IBM).
4. SQL and Relational Database at Cognitive Classes.