

# ARAVINDAN S

Chennai, Tamil Nadu | +91 88389 28179 | [aravindan0072@gmail.com](mailto:aravindan0072@gmail.com) | [LinkedIn](#) |

Enthusiastic AI/ML Engineer skilled in developing and deploying machine learning models using Python, TensorFlow, and Scikit-learn. Passionate about data-driven problem-solving, model optimization, and creating intelligent solutions for real-world applications.

## SKILLS

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|----------------------|-----------------|------------------------|
| • Python             | • Pandas        | • PyTorch              |
| • Machine Learning   | • Numpy         | • Problem Solving      |
| • Data Preprocessing | • Deep Learning | • Communication Skills |
| • Scikit-learn       | • TensorFlow    |                        |

## INTERNSHIP

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### Machine Learning Intern | NoviTech - The Innovation Partner, Coimbatore

- Assisted in building and training machine learning models for classification and prediction tasks, improving model accuracy through large-scale data analysis. Performed data preprocessing, feature engineering, and model evaluation using Python libraries such as Pandas, Scikit-learn, and TensorFlow. Collaborated with the team to deploy models, visualize insights, and document findings to support decision-making.

## PROJECTS

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### Detection of Neurocognitive Impairment in the Elderly using the TabNet Algorithm

- Developed an AI-based detection system using the TabNet Algorithm to identify early signs of neurocognitive impairment in elderly patients using routine medical data, improving accuracy and efficiency in cognitive health monitoring.

### Smart Lung Cancer Detection System using Deep Learning and CT Images

- Built a deep learning-based system using CNN to detect lung cancer from CT scan images. The system includes image preprocessing, feature extraction, classification, and prediction stages to enhance detection accuracy.

## EDUCATION

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### Bachelor of Engineering in Computer Science

Bharath Niketan Engineering College, Anna University

2021 – 2025

## CERTIFICATES

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- AI Engineer – Datamites
- Artificial Intelligence – NoviTech
- Python Internship – Sam Core
- Machine Learning Internship – NoviTech