

# Selva Narayanan A

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Passionate about leveraging Python and Machine Learning to build intelligent systems and solve real-world problems. Seeking opportunities to apply programming languages such as Python, SQL along with strong analytical thinking, to generate data-driven insights and business insights, support effective management decisions, and develop innovative AI-driven solutions for business and research advancements.

## AREA OF EXPERTISE

- Python
- R
- C++
- SQL
- Machine Learning
- Deep Learning
- NLP
- Excel
- Tableau
- Power BI
- Data Modelling
- Data Visualization

## WORK EXPERIENCE

AI/ML Internship

Jan 2025 - Jun 2025

- Vehicle damage detection using CNN and FFNN. Developed a CNN + FFNN deep learning pipeline for vehicle damage detection, achieving 80%+ accuracy on dataset. Deployed via web application for real-time insurance claim automation.

## EDUCATION

- Master Of Science, Data Science Alliance University, Bengaluru Sep 2023 - Jul 2025
- Bachelor of computer application Thiagarajar College, Madurai Aug 2020 - May 2023
- Higher Secondary Education A.U.P.E.T Chinmaya Vidyalaya, Tirunelveli Jun 2019 - May 2020

## ACADEMIC PROJECTS

### • Stock price prediction system

Built a regression-based model to forecast stock prices using historical market data. Applied machine learning techniques in Python for data preprocessing, model training, and performance evaluation.

### • Image classification using logistic regression and neural network

Neural networks significantly outperformed other method achieving more accuracy, while logistic regression struggled due to feature overlap and misclassification.

## CERTIFICATION AND TRAINING

- Completed personality development and communication course Mar 2023
- Basics of Ethical Hacking Jun 2023
- Object-Oriented Data Structures in C++ Apr 2024
- Supervised Machine Learning: Classification Aug 2024
- Exploratory Data Analysis for Machine Learning Jan 2025