

# SAM JEBADURAI J

## JUNIOR DATA ENGINEER

### PROFESSIONAL SUMMARY

Enthusiastic B.Tech graduate in Artificial Intelligence Data Science with hands-on experience in Python, SQL, and machine learning. Skilled in building data pipelines, web scraping tools, and basic neural networks. Eager to contribute to real-world AI applications in a collaborative and learning focused environment.

### CONTACT

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### EDUCATION

#### Karunya Institute of Technology and Sciences,coimbatore

B.Tech Artificial Intelligence & Data Science, CGPA - 6.12

2025

#### Campion Anglo Indian School,Trichy

Class 10 -79.8% June 2018 - May 2019

Class 12 -81.10% June 2020 - May 2021

### PROJECTS

#### Web Scrapping

- Created a Python-based web scraper using Flask and PyPDF to extract and organize data from websites and PDFs automatically.
- Applied advanced scraping techniques to capture key data, reducing manual data processing time.

#### Network Intrusion detection System

- Developed a hybrid anomaly-based Network Intrusion Detection System (NIDS) using Autoencoder, Isolation Forest, and K-Means for detecting unknown cyber-attacks without labeled data.
- Combined model outputs using a Random Forest classifier to improve accuracy and effectively classify network traffic as normal or attack using the CICIDS 2017 dataset.

### CERTIFICATIONS

- Python Programming (Udemy)
- SQL Mastery (Udemy)

### TECHNICAL SKILLS

- Technologies: Machine Learning, Web Development, Database Management
- Programming: Python, SQL, Java

### LANGUAGES

- ENGLISH
- TAMIL
- Recognition for Extended Research Paper