

Joshua Samraj J

Aspiring Data Scientist with hands-on experience in Python, machine learning, and real-world projects, eager to apply analytical and technical skills to solve challenging problems and contribute to innovative solutions in a dynamic environment.

Work Experience

JUNIOR DATA ANALYST, GEOSAVVY PRIVATE LTD

July 2024 - May 2025

- Analyzed large-scale environmental and sensor datasets to extract actionable insights, improving model accuracy by 25%.
- Built interactive dashboards and automated reports using Python, reducing reporting time by 50%.
- Streamlined data workflows with Pandas and NumPy, cutting processing time by 30%.
- Tools used: Python, Excel, Streamlit.

MACHINE LEARNING INTERN, ALPHA BUSINESS SOLUTION

June 2022 - July 2022

- Completed a Machine Learning internship focused on image processing; built and tested baseline models using Scikit-learn.
- Preprocessed and augmented image datasets with Python and OpenCV, improving model input quality and training speed by 20%.
- Gained hands-on experience in ML workflows, contributing to a 15% increase in model accuracy during initial evaluations.

Projects

AI VS REAL IMAGE CLASSIFIER | PYTHON, CNN, DJANGO

- Built a deep learning system using CNN to detect AI-generated images with 92%+ accuracy, deployed via a Django web app for real-time feedback.
- Enabled fast, reliable image authenticity checks for use cases in journalism, digital forensics, and social media moderation.
- Utilized TensorFlow, Keras, and OpenCV.
- The project reduced manual verification time by 60% and is scalable for GAN detection via APIs.

Educational Background

BE In Electronics and Communication

Francis Xavier Engineering College
2023-2026

Diploma in EEE

Government Polytechnic College
2020-2023

SSLC(10th)

T.D.T.A Jeyaraj Annapackiam Mat.Sec.School
2019-2020

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Portfolio: <https://static-portfolio-six.vercel.app/>

Skills

Technical Skills

- | | |
|--------------------|----------------------|
| • Python | • HTML |
| • C | • CSS |
| • SQL | • Django |
| • Mediapipe | • React |
| • Tensorflow | • Power BI |
| • Selenium | • OpenCV |
| • Machine Learning | • Data Visualization |

Soft Skills

- Problem Solving
- Time Management
- Communication
- Creativity
- Collaboration

Languages

- English (Professional)
- Tamil(Native)

Achievements

2nd prize National Level Hackathon
Kalasalingam Academy of Research and Education

1st prize Paper Presentation
Kongu Engineering College

Tools Used

- VS Code
- Jupyter Notebook
- PyCharm
- Power BI
- Excel