M. KALAIVANI

Artificial Intelligence Student

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Profile

Passionate and driven M.Sc Artificial Intelligence student with a strong interest in Machine Learning, Deep Learning, and Data Science. Building hands-on experience through academic projects, self-learning, and real-world applications. Strong commitment to learning, innovation, and AI-driven problem-solving.

Area of Expertise

- Python, C, C++
- Machine Learning, Deep Learning
- Natural Language Processing
- Speech & Audio Processing
- Data Analysis & Visualization
- TensorFlow, Scikit-learn
- Google Colab, Jupyter Notebook
- Streamlit, Git & GitHub

Key Projects

Speech-to-Text Translator for Badaga Language using Deep Learning
Jan 2025 – Apr 2025
- Built a translation system for the Badaga language using TensorFlow DNN.
- Preprocessed audio datasets with Librosa & MFCCs.
- Supported regional dialect processing and digital preservation.

Education

M.Sc Artificial Intelligence, Avinashilingam Institute for Home Science and Higher Education For Women, Coimbatore
July 2025 – May 2027 (Expected)

B.Sc Computer Science, Avinashilingam Institute for Home Science and Higher Education For Women, Coimbatore
Aug 2022 – May 2025 | CGPA: 7.9 / 10

Certifications

- Basics in Python – SWAYAM – 2024
- Basics in Cybersecurity – 2023
- Accounting with Tally – 2023

Achievements & Leadership

- Selected for International Army Adventure Camp, Ooty – June 2024
- Active NCC Cadet – Demonstrated leadership & endurance

Languages & Interests

- Languages: Tamil, English
- Interests: listening podcasts