

Nithya Viju

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PROFILE

A proactive B.Tech Computer Science and Engineering student with experience in machine learning, deep learning and web content creation. Skilled in sentiment analysis, supervised and unsupervised learning, and practical applications like face detection and recommendation systems. Demonstrated leadership by managing group projects throughout the semesters, and improving organizational and project outcomes. Proficient in data annotation and creative content writing to support technical and business goals. Adaptable and eager to leverage technical expertise and innovative insights in dynamic, collaborative environments.

EDUCATION

B.Tech Computer Science and Engineering

2022 – 2026 | Amritapuri, India

Amrita Vishwa Vidyapeetham

Current CGPA: 7.79

Higher Secondary Education (CBSE)

2020 – 2022 | Kochi, India

Chinmaya Vidyalaya Vaduthala

12th: 82%

INTERNSHIPS

Machine Learning Intern

Aug 2024 – Sep 2024 | Kochi

NeST Digital

- Gained hands-on experience in supervised and unsupervised learning.
- Made a house price predictor and a music recommendation system as part of the learning phase.
- Did a project on Face Detection with the FaceNet model done with the well-known 5 celebrity dataset.

Data Annotator

Aug 2023 – Nov 2023 | Amritapuri

Amrita Create

- Tagged and annotated datasets for a Natural Language Processing (NLP) project using Excel, improving data accuracy and supporting research objectives.

PROJECTS

Inventory Demand forecasting

Machine Learning & Data Science

- Developed an inventory demand forecasting using a synthetic dataset generated with the Faker library due to data unavailability.
- Implemented pre-processing techniques and compared forecasting accuracy before and after processing, highlighting the impact of data quality.

Face Recognition with FaceNet

Machine & Deep Learning

- Implemented face recognition using the FaceNet deep learning model for facial embedding extraction.
- Integrated FaceNet with an SVM classifier for accurate face verification and identification.

Music Recommendation System

Machine Learning

- Developed a music recommendation system using the Spotify API built by leveraging Spotify's Web API to fetch user data, analyze listening history, and recommend tracks based on audio features and similarity scores.
- Implemented content-based filtering to recommend music based on user interests.

CERTIFICATES

Foundations of Project Management by Google: Coursera

Machine Learning Specialization: DeepLearning.AI, Stanford University

Accenture North America Data Analysis and Visualization Job Simulation: Forage

LANGUAGES

- | | | |
|---------------------------------------|------------------------------|----------------------------------|
| • English-
Read, Write, Understand | • Hindi-
Read, Understand | • Malayalam-
Read, Understand |
|---------------------------------------|------------------------------|----------------------------------|

PUBLIC/COMMUNITY OUTREACH

Student Social Responsibility

- The campaign discussed Menstrual Awareness and Hygiene, Personal Hygiene Practices, Understanding and Preventing Human Trafficking, and Awareness of Addictions and their Consequences.
- The session was designed to educate, engage, and empower young minds with knowledge that promotes healthier habits and a safer society. It was inspiring to see their curiosity and enthusiasm for learning.

VOLUNTEERING

ICPC - International Collegiate Programming Contest

Registration Assistant

SKILLS

- | | | |
|----------------------|----------|--------------------|
| • C++ | • Python | • Machine Learning |
| • Deep Learning | • SQL | • Excel |
| • Project Management | | |