Amal Nath VJ

8921586928 • amalvj2701@gmail.com • linkedin.com/in/amal-nath-vj-656213287

Education

College of Engineering Trivandrum *2021 - 2025*
B.Tech in Computer Science and Engineering

Relevant Coursework
Data Structures Algorithms, Operating Systems, DBMS, CN, COA, Compiler Design

Work Experience

Intern – Siemens Technology and Services Pvt. Ltd |Engineer Support *May 2024 ,Chennai*

- Worked on smart building projects involving access controllers (Sipass), SDT (System Design Tool), and surveillance systems.
- Designed and implemented an AuditHistory table to track user actions along with timestamps and user info.

Projects

Fake Job Classification (LinkedIn) *Python, Scikit-learn, NLP*

- Built a machine learning model to detect fraudulent job postings on LinkedIn using NLP and supervised learning.
- Preprocessed job descriptions with TF-IDF vectorization and trained classifiers .
- Achieved high accuracy in fraud detection with a scalable pipeline for dataset cleaning, training, and prediction.

Resume RAG Chatbot *Python, Flask, spaCy, FAISS*

- Built an AI-powered chatbot using RAG architecture to answer resume-related queries via semantic vector search.
- Implemented NLP pipeline with spaCy, and FAISS for PDF parsing, embedding, and similarity-based retrieval.
- Developed a Flask web app with real-time chat interface and modular architecture for parsing, retrieval, and response.

Technical Skills

Languages: Python, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: Flask,Sklearn ,spaCy, numpy pandas
Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Cursor, Google Colab
Domains: Machine Learning, Natural Language Processing (NLP)

Achievements & Leadership

Siemens Scholar *2021–2025*

- Selected among top engineering students in India based on academic merit and socio-economic background.

Leader, CET Official Dance Crew *2024–2025*

- Led the team to finals of India's top dance competition, Destiny Dance Competition.

Coordinator, HOPE (Alumni Charitable Organization) *2023–2025*

- Coordinated scholarship programs supporting financially challenged students, focusing on technical and analytical merit.