Steven Itti Leon

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EDUCATION

Vellore Institute of Technology	Vellore, Tamil Nadu
Bachelor of Technology in Computer Science	*Expected May 2026*
Indian Institute of Technology, Madras	Chennai, Tamil Nadu
Bachelor of Science in Data Science and Applications	*Expected June 2027*

INTERNSHIPS

Engati — May 2025 – July 2025
Machine Learning Engineer Intern
- Designed and fine-tuned a **Group Relative Policy Optimization(GRPO)** model using Qwen3-4B and Python, leveraging **67,000+ domain-specific QA pairs** for oncology-focused applications.
- Applied **prompt engineering, data preprocessing and iterative ML model optimization** to boost contextual accuracy and relevance by 25%, enhancing customer-facing AI solutions.

NIT Calicut - Summer Internship Program — June 2024 – July 2024
Research Intern - Deep Learning & Computer Vision
- Built and deployed an **object detection** model for precision agriculture using drone imagery; implemented in Python with **TensorFlow/Keras**, achieving **85% detection accuracy**.
- Worked in multidisciplinary teams to apply **data analysis, image preprocessing and statistical modeling** techniques, improving data-driven decision-making in agricultural innovation.

PROJECTS

InterRAG: Resume-based Interview Q&A Generator — June 2025 - Present
Python, Cerebras SDK, FAISS, NLP, RAG Architecture
- Developed a **Retrieval-Augmented Generation** pipeline to dynamically generate personalized interview questions and AI-powered responses using large language models.
- Integrated **vector search** with FAISS and **API-driven AI models** to improve contextual response accuracy and user experience.

F1nflow Financial Tracker — March 2025 - June 2025
React, JavaScript, CSS, Data Visualization
- Developed a responsive financial tracking dashboard with features for budgeting, analytics and data export to Excel.
- Implemented **data visualization**, automated calculations and persistent storage using component-based architecture.

CERTIFICATIONS

iamNeo High Programming Coding - DSA Using Java	*May 2025 - July 2025*
DeepLearning.AI TensorFlow Developer Certificate	*Feb 2024 - Apr 2024*
Google Data Analytics Professional Certificate	*Dec 2023 - Feb 2024*

EXTRA CURRICULARS

Management Head	*English Literary Association*
Newsletter Editor	*Department of Student Welfare*
Competitive Coding	*Solved 250+ problems across LeetCode, HackerRank & Codeforces*

TECHNICAL SKILLS

Programming: Python, Java, SQL, R, JavaScript, HTML/CSS
Data Science & Analytics: ML, Deep Learning, NLP, Data Visualization, Predictive Modeling, Big Data
Tools/Platforms: TensorFlow, PyTorch, Tableau, AWS, Git, Excel, Spark
Libraries: pandas, NumPy, Matplotlib, Scikit-learn, Keras, FAISS
Concepts: DSA, Data Engineering, DBMS, APIs, Statistical Analysis, Model Evaluation
Soft Skills: Communication, Analytical Thinking, Problem-Solving, Collaboration