Aditya Yogesh Nair
Data Scientist

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🎓 EDUCATION

September 2022 – present	**Master's in Computer Science (Data Science), EURECOM** 🔗	Sophia Antipolis, France
July 2018 – May 2022	**Bachelor's in Electronics and Communication Engineering, Amrita University** 🔗	Coimbatore, India

💼 PROFESSIONAL EXPERIENCE

July 2023 – September 2023 — **I3S, CNRS, University Côte d'Azur, Research Intern** 🔗 — Sophia Antipolis, France

- Leveraged L1inf projection to achieve approximately **90% sparsity** in a Convolutional Variational Autoencoder model, whilst **preserving high performance**.
- Utilized a Convolutional Variational Autoencoder (CVA) to optimize a **DNA image encoding**, storing the latent space in quaternary (base-4).

November 2021 – June 2022 — **3Analytics, Data Scientist Intern** 🔗 — Chennai, India

- Automated Naranjo and WHO algorithms for **precise adverse drug reaction prediction** by harnessing Natural Language Processing (Spacy and BioBERT).
- Developed a **COVID-19 Diagnostic Kit Classifier** using advanced Image Processing techniques and a pre-trained model for precise COVID-19 case detection.

📁 PROJECTS

October 2023 – present — **Fine-Tuning a LLM using RLHF for the Socratic Method, EURECOM**

The project aims to develop an interactive LLM using the Socratic method to aid learning. It uses RLHF to adapt its behavior by creating a "reward model" from human feedback and optimizing responses.

🌐 LANGUAGES

Language	Level	Language	Level
English	●●●●●	French	●●○○○
Hindi	●●●○○	Tamil	●●●●○