

Amal Francis Olakengil

Chennai, Tamil Nadu

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SUMMARY

Data Scientist and Backend Developer specializing in AI-powered solutions and predictive analytics. Experienced in building end-to-end machine learning pipelines, time-series forecasting models, and scalable backend systems. Proven track record in data processing, feature engineering, and deploying production-ready applications with robust authentication and database management capabilities.

SKILLS

Python, C++, Java, FastAPI, Flask, Tensorflow, SciKit-Learn, Pandas, Numpy, ReactJs, NextJs, Matplotlib

WORK EXPERIENCE

GeekCoders

Vice President

Oct 2024 - Present

Chennai, Tamil Nadu

- Led interactive seminars on GPT, LLMs, and Tokenization for 50+ attendees, boosting engagement; organized tech events with 100+ participants.
- Developed community website frontend using React and Next.js; processed and cleaned 300+ member data with Pandas for analytics

Cyborg Club

Technical Lead

Oct 2024 - Present

Chennai, Tamil Nadu

- Managed a 25-member technical team, created detailed roadmaps, and mentored juniors; judged and hosted inter-college tech competitions.

PROJECTS

StockSim

React, Next.js, Firebase

Jan 2025 - Feb 2025

[Github Link](#)

- Designed a stock market simulation app with real-time trading features, integrated Firebase for data management, and deployed on Vercel.
- Developed a specialized dashboard enabling users to monitor stock portfolio performance, including profit/loss tracking, open positions, and closed trades.

TubeCharts

FastAPI, React, Next.js

Jun 2025 - Jul 2025

[Github Link](#)

- Built an open-source YouTube video analyzer that extracts captions, generates summaries, and creates visual charts using FastAPI backend.
- Built comprehensive YouTube video analysis system performing sentiment analysis, subtopic categorization, and automated fact-checking.

Blog Application

Flask, React, Postgres

Nov 2024 - Dec 2024

[Github Link](#)

- This is a fully functional blog application, designed to let users create, view, and manage blog posts. Deployed on Vercel, neon, and render.

EDUCATION

SRM University

Bachelor of Technology in Computer Science and Engineering

Aug 2023 - May 2027

GPA: 9.83

IIT Madras

Diploma in Data Science and Applications

May 2024 - Dec 2026

CERTIFICATIONS

Foundation in Data Science

IIT Madras

Data Base Management

NPTEL IIT Kharagpur