

# 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