

Jyothish Chandran C K

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Profile

Full Stack Developer with hands-on experience building Django-based backend systems and React frontends. Experienced in developing AI-assisted applications using Retrieval-Augmented Generation (RAG), relational database design, and automated deployments using modern CI/CD platforms.

Skills

Programming Languages: Python, JavaScript, SQL

Frameworks & Libraries: Django, Django REST Framework (DRF), RESTful APIs, React, Tailwind CSS

Databases: PostgreSQL, MySQL, Pinecone (Vector Database)

Tools & Platforms: Git, GitHub, Linux CLI, CI/CD (Vercel, Render), Vite

AI & ML Exposure: RAG Pipelines, LLM Orchestration, Neural Text-to-Speech

Projects

Narrato – PDF to Audiobook Converter

Python, Django, Gemini API, ElevenLabs, Pinecone

- Built a backend system to convert PDF documents into structured audiobooks using AI-generated scripts and neural text-to-speech.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline using Pinecone to enable semantic search and document-level question answering.
- Optimized text chunking and processing workflows to efficiently handle large documents while respecting API rate limits.

Resonate – Social Media Platform

Python, Django, PostgreSQL

- Designed and developed a social networking platform with relational data models for users, posts, and interactions.
- Implemented server-rendered views with responsive layouts optimized for both desktop and mobile devices.
- Optimized database schemas and queries to support efficient feed generation and social connections.

Ad-Space Marketplace (Frontend)

React, Tailwind CSS

- Built a dynamic dashboard for managing physical advertising spaces using React and Tailwind CSS.
- Implemented client-side search, filtering, and inline editing using React Hooks for a seamless user experience.

Education

Bachelor of Computer Applications (BCA)

2022 – 2025

University of Calicut, Kerala, India

Advanced Full Stack Development (Python & Django)

Jun 2025 – Feb 2026

Haris and Co Academy, Calicut, Kerala