

Adithyan K A Nair

☎ 8157021084 ✉ adithyankanair003@gmail.com 💼 [linkedin.com/adithyankanair](https://www.linkedin.com/adithyankanair) 🐙 github.com/adithyankanair

Education

Mahatma Gandhi University

September 2021-May 2024

Bachelor of Computer Application (CCPA: 7.64)

Kottayam, Kerala

- **Relevant Coursework:** Data Structures and Algorithms (C++), Database Management Systems (SQL), Software Development Life Cycle, Object Oriented Programming (C++)

Experience

Tata Consultancy Services

June 2024 – June 2025

Engineer

Pune, Maharashtra

- Created knowledge base articles that reduced setup errors by approximately 30%.
- Documented troubleshooting procedures that reduced team resolution time by 20%.
- Collaborated with cross-functional teams to identify process improvement areas and streamline support operations.
- Gained experience in software development life cycle(SDLC), change management, and deployment cycles within an agile team.

Projects

Bingewatch | React.js, Python, Flask, SQLite

- Built a full-stack movie tracker app to search, view and manage a personal movie watch list using TMDB's public API.
- Implemented RESTful API in Flask for searching, storing, retrieving, and deleting movie entries in a local SQLite DB.
- Designed responsive UI with Bootstrap, connected front-end to back-end via Axios.

PDF QA BOT | Python, LangChain, FAISS, Groq API

- Developed a PDF Q&A chatbot that answers questions from PDF documents using LangChain's RAG pipeline.
- Parsed PDF files, chunked text, embedded using sequence transformers, indexed via FAISS and answer the queries using Groq's LLaMA-3 model.

Know Now | Python, Django, HTML, CSS, JS

- Developed automated web scraping system using BeautifulSoup to collect news articles from multiple external sources.
- Built Django backend featuring user authentication and integrated database managemnet for storing and managing scraped content.
- Implemented dynamic filtering system allowing users to browse articles by category in real-time.

Skills

Languages: Python, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: Flask, FastAPI, Django, React, LangChain, SentenceTransformers, Bootstrap

AI & ML: LLMs, Prompt Engineering, RAG, Hugging Face, FAISS, OpenRouter, Groq API

Databases: SQLite, PostgreSQL (basic)

Tools & DevOps: Git, GitHub, Postman, Streamlit, dotenv, Vite

Soft Skills: Problem Solving, Critical Thinking, Self-learning, Team Collaboration