

# Vijay Ananth M

B.Tech in AI & Data Science | Full Stack & ML Developer  
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LinkedIn | GitHub | LeetCode | Portfolio

## TECHNICAL SKILLS

### FRONTEND

React.js • Next.js • Tailwind CSS • Material UI • HTML5 • CSS3

### BACKEND

Spring Boot • FastAPI • REST APIs • Node.js

### DATABASES

MySQL • MongoDB • JDBC • PostgreSQL

### ML / DATA SCIENCE

Scikit-learn • Transformers • Power BI • Pandas • OpenAI Whisper

### CLOUD & TOOLS

AWS • Git • GitHub • Postman • Render • Vercel

### LANGUAGES

Python • JavaScript • Java • SQL

## SUMMARY

Full Stack and ML Developer skilled in React.js, Spring Boot, FastAPI, and MongoDB with hands-on experience in building scalable web apps and deploying ML/NLP models. Experienced in REST APIs, cloud deployment, and secure authentication. Passionate about delivering end-to-end software and AI solutions.

## INTERNSHIP

### TWIRLTACT TECHNOLOGY SOLUTIONS | IoT Intern | Dec 2023 – Coimbatore

- Built a Python-based IoT dashboard to monitor live sensor data using RESTful APIs.
- Designed modular ingestion for real-time environmental metrics from multiple sensors.

## CERTIFICATIONS

- Meta (Coursera) – Advanced React
- Meta (Coursera) – Version Control with Git
- AWS Academy – Cloud Foundations
- Cisco – CCNAv7: Introduction to Networks

## PROJECTS

### FOOD ORDERING APP | FULL STACK ROLE-BASED SYSTEM

Apr 2025

GitHub

- Built a multi-role ordering platform with custom RBAC (Admin/Customer) and LBAC for country-specific access.
- Designed dynamic restaurant and menu system with persistent cart, order tracking, and multilingual UI (i18n).
- Architected with modular Context APIs (Auth, Cart, Order, Payment) and deployed with Vercel.

Stack: Next.js (App Router), MongoDB, Tailwind CSS, Context API, next-intl

### AI-POWERED PODCAST SUMMARIZATION | NLP + FULL STACK

Feb 2025

GitHub

- Engineered a GenAI system using Whisper and BART to transcribe, summarize, and segment podcasts with speaker labeling.
- Delivered a full-stack platform (FastAPI + Next.js) for real-time transcript viewing and scalable summarization APIs.

Stack: FastAPI, Whisper, Transformers, MongoDB, FFmpeg, Next.js

### MOVIE RECOMMENDATION SYSTEM | ML/NLP + NEXT.JS

May 2024

GitHub

- Used TF-IDF and cosine similarity on metadata (plot, genre, cast) to generate content-based movie recommendations.
- Deployed a Streamlit interface for real-time suggestions with fallback for unknown titles.

Stack: Python, Scikit-learn, Pandas, Streamlit, TF-IDF

### EVENT MANAGEMENT SYSTEM | REACT + SPRING BOOT + JWT

Nov 2023

GitHub

- Developed a secure platform with JWT-based login for managing events, registrations, and roles.
- Implemented full-stack solution with Spring Boot backend, JPA, MySQL DB, and React Material UI frontend.

Stack: Spring Boot, React.js, JWT, MySQL, Material UI

### HOTEL BOOKING CONSOLE APP | JAVA + JDBC PROJECT

Jan 2023

GitHub

- Built a modular CLI application using DAO pattern and JDBC for hotel room bookings and billing.
- Ensured data integrity with MySQL transactions and structured design using OOP principles.

Stack: Java, JDBC, MySQL, Console App

## EDUCATION

### SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY (SKCET), COIMBATORE

B.TECH – ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

2021–2025 | CGPA: 8.10 / 10.0