Vijay Ananth M

AI & Data Science | Full Stack Development | Data Analyst
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LinkedIn | GitHub | LeetCode | Portfolio

SKILLS

LANGUAGES
Python • Java • JavaScript • SQL

WEB DEVELOPMENT
React.js • Spring Boot • FastAPI • HTML • CSS • REST API • Axios

DATA SCIENCE & ANALYTICS
NumPy • Pandas • Power BI • Excel • Tableau (Basics) • Matplotlib

MACHINE LEARNING & AI
Scikit-learn • Transformers • Predictive Modeling • NLP

DATABASES
MySQL • JDBC

TOOLS & PLATFORMS
Git • GitHub • VS Code • Postman • Streamlit • Vercel

CORE CONCEPTS
Data Structures & Algorithms (DSA) • Object-Oriented Programming (OOP) • Computer Networks • Operating Systems

CAREER OBJECTIVE

B.Tech graduate in AI & Data Science (2021–2025) with hands-on experience in full-stack development, machine learning, and data analytics. Passionate about solving real-world problems and eager to contribute as a Software Developer or Data Analyst by applying strong technical and analytical skills in a collaborative environment.

INTERNSHIP

TWIRLTACT TECHNOLOGY SOLUTIONS | IoT Intern | Dec 2023 | Coimbatore

- Designed a prototype to monitor live environmental data with 90% accuracy.
- Simulated and tested sensor-based circuits.

CERTIFICATIONS

- **IBM** – Data Analysis with Python
- **Meta** – Advanced React
- **Meta** – Version Control
- **Cisco** – PCAP: Programming Essentials in Python

PROJECTS

NETFLIX DASHBOARD (DATA ANALYTICS) | Apr 2025 | GitHub

- Conducted exploratory data analysis on 6,000+ titles to uncover trends in content type, region, and release year.
- Built interactive dashboards to visualize content trends and enhance decision-making.

Tech Stack: Python, Power BI, Pandas

PODCAST SUMMARIZATION SYSTEM (AI/NLP) | Feb–Mar 2025 | GitHub

- Developed a complete system to transcribe and summarize long podcast episodes using Whisper and Transformers.
- Added speaker identification and topic extraction for better comprehension.

Tech Stack: Python, OpenAI Whisper, Transformers, FastAPI

MOVIE RECOMMENDATION SYSTEM (ML) | Apr–May 2024 | GitHub

- Built a content-based recommender using TF-IDF and cosine similarity.
- Applied it to metadata from 5,000+ movies for personalized suggestions.
- Deployed with Streamlit and integrated filtering by genre and rating.

Tech Stack: Python, Scikit-learn, Pandas, Streamlit

EVENT MANAGEMENT SYSTEM (FULL-STACK) | May–Jul 2023 | GitHub

- Engineered a full-stack event scheduling system with secure login and role-based access for admins and users.
- Used REST APIs for booking, live updates, and user dashboard functionalities.

Tech Stack: React.js, Spring Boot, MySQL, Axios

HOTEL BOOKING SYSTEM (JAVA APP) | Apr–May 2022 | GitHub

- Built a CLI-based hotel booking system with room availability, cancellation, and data storage using Java and MySQL.
- Managed backend integration using JDBC and MySQL with proper error handling.

Tech Stack: Java, JDBC, MySQL

EDUCATION

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY (SKCET), COIMBATORE
B.Tech – Artificial Intelligence and Data Science
2021–2025 | CGPA: 7.82 / 10.0

SYED AMMAL MATRICULATION HIGHER SECONDARY SCHOOL
Higher Secondary Certificate (HSC)
2020–2021 | Percentage: 88.74%
Secondary School Leaving Certificate (SSLC)
2018–2019 | Percentage: 84.60%