Vijay Ananth M

Data Analyst | Full-Stack Developer | AI / ML Engineer
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LinkedIn | GitHub | LeetCode | Portfolio

TECHNICAL SKILLS

LANGUAGES
Python • Java • JavaScript • SQL

DATA & ANALYSIS
Pandas • NumPy • Power BI • Matplotlib

ML & AI
Scikit-learn • Transformers • FastAPI

FRONTEND & UI
React.js • Next.js • Tailwind CSS

BACKEND & CLOUD
Spring Boot • MongoDB • PostgreSQL • Firebase • AWS

DEV TOOLS
Git • GitHub • Postman • Vercel • Render

SUMMARY

B.Tech graduate in AI & Data Science (2021–2025) with hands-on experience in full-stack development, AI/ML systems, and data analytics. Proficient in building and deploying scalable applications leveraging Java, Python, React, and cloud technologies like AWS and Firebase. Passionate about applying technology to solve real-world problems and deliver impactful solutions.

INTERNSHIPS

TWIRLTACT TECHNOLOGY
IoT Intern | Coimbatore | Dec 2023

- Developed modular Python pipelines and REST APIs for live sensor data analysis and dashboarding.

VIRTUAL INTERNSHIPS – FORAGE
- Data Science – BCG, Jul 2025
- Data Analytics – Deloitte, Jul 2025

CERTIFICATIONS

- **Cisco** – Introduction to Data Science
- **AWS Academy** – Cloud Foundations
- **Microsoft** – Career Essentials in Data Analysis (LinkedIn Learning)
- **DataBricks Academy** – DataBricks Fundamentals Accreditation

PROJECTS

EQUATION SOLVER API | Algorithmic Backend System
Jul 2025   GitHub
- Developed REST APIs to parse and evaluate algebraic expressions using expression trees.
- Implemented variable substitution, equation storage, and tree traversal for evaluation.
- Applied MVC and Singleton patterns in a Spring Boot architecture with full unit testing.
Technologies: Java, Spring Boot, REST API, JUnit

SALES INSIGHTS DASHBOARD | Data Analysis & Power BI
Jun 2025   GitHub
- Designed a complete ETL pipeline to clean and model large sales data using Python and SQL.
- Built Power BI dashboards and Excel pivot reports to track revenue, trends, and regional performance.
- Enabled executive-level reporting through dynamic KPIs and slicers.
Technologies: Python, SQL, Power BI, Excel, Pandas

FOOD ORDERING APP | Full Stack Role-Based System
May 2025   GitHub
- Built a multi-role ordering platform with separate views for customers, restaurants, and admins.
- Managed menu/cart operations with Context API and MongoDB sessions.
- Responsive frontend with Tailwind CSS, deployed via Vercel.
Technologies: Next.js, MongoDB, Tailwind CSS, Context API, Vercel

AI PODCAST SUMMARIZATION SYSTEM | ML + NLP Project
Feb 2025   GitHub
- Deployed Whisper and BART models to summarize podcast audio into topic-tagged summaries.
- Built a FastAPI backend with Supabase DB and async job queueing for audio processing.
- Developed Next.js UI for audio uploads, result viewing, and job status polling.
Technologies: Python, Whisper, Transformers, FastAPI, Next.js

MOVIE RECOMMENDATION SYSTEM | Content-Based
Nov 2024   GitHub
- Built a recommender using TF-IDF and cosine similarity over movie metadata (genres, keywords).
- Created preprocessing pipeline and real-time search interface via Streamlit.
- Implemented similarity scoring and filtering logic from scratch.
Technologies: Python, Scikit-learn, Pandas, Streamlit

EDUCATION

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY (SKCET), COIMBATORE, TAMIL NADU, INDIA

B.Tech – Artificial Intelligence and Data Science
2021–2025 | CGPA: 7.82 / 10.0