Manohar

dmanoharwork@gmail.com | GitHub | LinkedIn | Portfolio

EDUCATION

MVJ College of Engineering | Bengaluru, Karnataka, India
B.E. in Computer Science and Engineering | 2023 - 2027
CGPA: 7.5

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, TypeScript
Frameworks & Libraries: FastAPI, Spring Boot, Next.js, SQLAlchemy, Pydantic, scikit-learn
Databases & Messaging: PostgreSQL, Redis, RabbitMQ
Tools & Platforms: Docker, Google Cloud Run, Cloud SQL, Artifact Registry, Git, Linux, Alembic, Pytest, JUnit

PROJECTS

FlowForge GitHub repository
Technologies: FastAPI, PostgreSQL, Redis, SQLAlchemy, asynchronous jobs, retry handling, REST APIs
- Distributed job execution platform with FastAPI, SQLAlchemy and PostgreSQL for job lifecycle tracking; Redis-backed queue with independent workers, retry handling and automated retry tests.

OrderFlow GitHub repository
Technologies: FastAPI, PostgreSQL, RabbitMQ, Redis, Pydantic, transactional outbox, JWT, Argon2, Alembic
- Transactional order and payment backend using service-layer transactions and a transactional outbox; includes RabbitMQ consumers with retry queues and dead-letter handling, JWT authentication, Argon2 password hashing and Alembic migrations.

KAGE Live site
Technologies: Next.js, FastAPI, PostgreSQL, Docker, Google Cloud Run, Cloud SQL, CSRF, Argon2id
- Live anime library and progress tracker with a Next.js frontend and FastAPI/PostgreSQL backend; deployed on Google Cloud Run with Cloud SQL and Artifact Registry, with CSRF protection, expiring email links and Argon2id password hashing.

IncidentHub GitHub repository
Technologies: Java, Spring Boot, Maven, JUnit, REST APIs
- Incident lifecycle REST API built with Java and Spring Boot, separating controllers from service-layer lifecycle rules and validated with JUnit tests.

SupportDesk GitHub repository
Technologies: Python, scikit-learn, TF-IDF, Logistic Regression, unigram and bigram features
- Banking intent classification baseline using TF-IDF and Logistic Regression; evaluated unigram and bigram features, achieving 89.46% validation accuracy and an F1 score of 0.8950.

CERTIFICATIONS

- Python for Machine Learning Training - Spoken Tutorial
- Java Training - Spoken Tutorial
- Git Training - Spoken Tutorial