

Dharma S

Full-Stack AI Engineer

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Profiles

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Education

Annamalai University

2021-2025

Bachelor of Engineering (B.E.) in Artificial Intelligence and Machine Learning

UG

CGPA - 7.1

Summary

Full-Stack AI Engineer with a strong foundation in Artificial Intelligence and Machine Learning and hands-on experience building scalable, secure, and production-ready web applications. Proficient in Python, JavaScript, Django, FastAPI, React.js, and PostgreSQL, with experience designing RESTful APIs, implementing authentication systems, and deploying end-to-end solutions. Passionate about backend engineering, AI-powered systems, and clean, maintainable code.

Skills

Programming languages

Java ,Python ,JavaScript

Frontend Technology

HTML5 ,CSS3 , Bootstrap , React.js

Backend Frameworks & Technologies

Django, Django REST Framework (DRF) , FastAPI ,
Node.js , Express.js , JDBC , Hibernate (ORM) ,
SQLAlchemy (ORM)

Databases

MySQL , MongoDB,PostgreSQL

Additional Skills

RESTful API Design, Authentication & Authorization
(JWT), Microservices Fundamentals, CI/CD Basics,
Secure API Development

Tools & DevOps

Git ,GitHub , Docker, Postman, Linux

Technical Experience

Req-Zy

Aug 2025

Purchase Requisition Management System

https://github.com/skdharma05/req_zy

Developed a full-stack procurement management platform using **Angular 20+**, **Express.js (TypeScript)**, and **MongoDB**, delivering a production-ready MVP with **15+ REST APIs**, JWT authentication, and role-based access control. Implemented a scalable purchase requisition system with full lifecycle management and a multi-level approval workflow engine. Enhanced performance and user experience through Angular Signals, reactive components, and lazy loading while maintaining strong security and validation standards.

AI - Meditation

July 2025

Generating meditation scripts and audio using Google Gemini AI

https://github.com/skdharma05/Ai_Med

Developed a backend service for generating **personalized meditation scripts and audio** using **Google Gemini AI**, **Google Cloud Text-to-Speech**, **FastAPI**, and **MongoDB**. Implemented AI-driven content generation and natural, calming audio synthesis, enabling users to create guided meditation sessions and seamlessly retrieve playback. Designed scalable **session storage** with MongoDB, built secure **RESTful APIs** for script generation, audio retrieval, and history tracking, and implemented robust **environment configuration** with protected API keys and database credentials.