Suraj chauhan

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Projects

AST RuleEngine   Sep 2024-Oct-24

Java - SpringBoot - Maven - html - javascript

- Architected and implemented a Spring Boot back-end using Java 17, Maven, Spring Data JPA and an in-memory H2 database.
- Designed and developed RESTful endpoints with custom JSON serialization (Jackson) and encapsulated core business logic in a service layer.
- Built a static frontend using HTML, CSS and JavaScript, and ensured quality with automated unit tests (JUnit 5, Mockito).
- My role: end-to-end design and implementation of data models, service layer, controllers, UI integration, and test suite.

RoyalAi

Python - Flask - Requests - Html

- Developed Royal Grok AI Chat using Flask, Cohere API, and JavaScript to provide a royal-themed chat interface with AI-generated responses.
- Employed a modular development approach for the Royal Grok AI Chat, benefiting from improved code maintainability and feature scalability.
- Software Engineer: Implemented a secure authentication system and a real-time chat interface, resulting in a functional and engaging user experience.

Gemini-Cli   Nov24-Jan-25

Rust-Tokio,Cargo-reqwest-serde-pulldown-cmark,syntect..

- Engineered a Rust CLI with Cargo, leveraging the Google Gemini API for AI-driven terminal chat.
- Applied Rust async (tokio), strong type safety, and custom parsing for resilient UX and error handling.
- Integrated reqwest (HTTP), serde (JSON), pulldown-cmark (Markdown), and syntect (syntax highlighting) for robust I/O and rendering.
- Utilized ANSI escape codes for advanced terminal UI and environment variables for secure API credential management.

Xeeter   Oct 24-Nov 24

Python - argparse

- The "Tweet CLI Tool" is a Python-based command-line interface leveraging the Tweepy library to interact with the Twitter API v2 for posting tweets.
- The project utilizes setuptools for packaging and distribution, argparse for command-line argument parsing, and incorporates environment variables for secure API key management.

EDUCATION

GLBajaj Group Of Institutions   Sep 2021 - Aug 2025

AKTU   *Mathura,UP*

- **B.Tech Computer Science - 70%**

Kendriya Vidyalaya   2019 - 2021

- **12th grade - 78 %**
- **10th grade - 86 %**

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Java Udemy Beginner to Master
- **Technologies:** Java, Javascript,Python,Springboot,Docker,Linux,Bash,n8n.zapier
- **Interests** *: Cinephile, Movies, Coding, Letterboxd*