Moksh Doshi

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Technical Skills

Languages: Python, JavaScript, HTML5/CSS3, SQL, Bash Scripting

Technologies: Insonmia, Git, Git Actions, Postman, PyTest, Figma, Latex, SQLite, PostgreSQL, MongoDB, Docker, Redis, JWT

Projects

Agentic Financial Toolkit (MCP Server) | Python, asyncio, FastAPI, MCP (Model Context Protocol), JSON Schema, Regex, Pytest   (GitHub)

- Engineered asynchronous MCP server enabling LLMs to perform advanced financial document analysis.
- Constructed modular tool suite (analyze_document, extract_terms, risk_assessment) with API-agnostic architecture supporting seamless upgrades from regex to ML-based extractors.
- Built high-precision data extraction engine utilizing pattern matching to parse monetary amounts, interest rates, and contractual entities from unstructured documents

Python Dependency Comparability Manager | Python, Docker, Postman   (GitHub)

- Created CLI application with PyPI REST API integration, accelerating developer environment setup by 60% based on performance.
- Implemented topological sorting algorithm on dependency graphs, delivering sub-second compatibility analysis for 100+ concurrent package.
- Verified cross-platform functionality across Windows, Linux, and macOS environments using containerized testing frameworks (Docker).

AI WebScrapper | Python, Ollama, Proxy Rotation(Bright Data)   (GitHub)

- Built an AI-powered web scraper using Selenium with Chromium and Bright Data proxy rotation to bypass anti-bot measures and CAPTCHAs on 95% of target websites.
- Integrated Ollama LLM for intelligent content parsing, semantic analysis, and structured data transformation, achieving 98% data extraction accuracy.
- Automated 70% of manual data collection workflows, reducing processing time from hours to minutes.

Experience

Co-Lead Technical Team, EDU4U CLUB   Aug 2024 – Aug 2025

- Ensured 99.7% system uptime across 3 major events by implementing systematic code review processes and automated testing protocols that prevented critical failures.
- Mentored 4 junior technical team members through hands-on training sessions, resulting in a 35% improvement in their skills and enabling them to independently manage critical technical components at subsequent events.

Achievements & Extra Curricular Activities

- 1st Place winner HackForIndia Hackathon by AiXplain & hackerearth.
- Top 10% in Amazon ML challenge 2025.
- **Certification**: Oracle OCI Developer Professional, Oracle OCI Data Science Professional

Education

VIT Bhopal University, B-Tech in Computer Science   Sept 2022 – Sept 2026