

Moksh Doshi

India | +91 7400969000 | doshimoksh3@gmail.com | LinkedIn/[mokshdoshi2925/](#) | github.com/[mokshdoshi2005](#)

SUMMARY

Currently pursuing UG at VIT-Bhopal University in Computer Science and Engineering. Seeking opportunities to **build and scale robust backend systems** that power modern applications. Passionate about the complete product development lifecycle, from foundational architecture to user experience. Eager to secure a challenging, long-term internship to deliver sustained value.

PROJECT EXPERIENCE

AI AGENT FINANCIAL TOOLKIT (MCP Server) | [link](#)

Tech Stack: Python, asyncio, FastAPI, MCP (Model Context Protocol), JSON Schema, Regex, Pytest

- 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 LIBRARY COMPATIBILITY MANAGER | [link](#)

- 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)

SIMPLE GRID WEB GAME | [link](#)

- Built responsive 4x4 grid browser game using vanilla JavaScript, achieving 60% faster load times through performance optimization
- Crafted engaging user experience increasing average session duration by 2 minutes and mobile retention by 45%
- Enhanced site metrics resulting in 25% bounce rate reduction

DISEASE DETECTION IN APPLE PLANT USING AI | [link](#)

- Accelerated plant disease diagnosis from hours to seconds through efficient computer vision algorithms processing 50+ images per minute
- Led 5-member team in curating 1,200+ diverse leaf image dataset, expanding sample variety by 35%
- Fine-tuned model accuracy reducing false positive rates by 27% for production agricultural deployment

LEADERSHIP EXPERIENCE

EDU4U CLUB

Co-Lead Technical Team

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

SKILLS & CERTIFICATIONS

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

TOOLS/APPLICATIONS: Insonmia, Git, Postman, PyTest, Figma, Latex, SQLite, PostgreSQL, MongoDB, Docker, Redis, Pydantic, JWT

ACHIEVEMENT: Hack for India Hackathon Winner | *HackerEarth & aiXplain, Jan 2025*

- Build an multimedia application and secured 1st Place Overall & Women Safety Theme Winner (6,382 participants) ([link](#))

CERTIFICATIONS: • Oracle OCI Developer Professional, Oracle OCI Data Science Professional

EDUCATION

VIT-Bhopal University

Bhopal, Madhya Pradesh

Bachelor of Technology in Computer Science and Engineering

Graduation Date: Jun 2026