

Keerthivasan K

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PROFESSIONAL SUMMARY

Motivated fresher with hands-on experience building real-world applications spanning Machine Learning, IoT-integrated systems, and AI-powered tools. Skilled in Python, database management, and end-to-end application development. Passionate about applying technology to solve meaningful problems. Eager to contribute in a growth-oriented software development or data/AI engineering role.

EDUCATION

Master of Science — Computer Science

Agurchand Manmull Jain College, Affiliated to University of Madras

Expected June 2026

Bachelor of Science — Computer Science

Agurchand Manmull Jain College, Affiliated to University of Madras

Completed 2024

PROJECTS

ML-Powered Analytical Framework for Scholarship Selection

Python · Machine Learning · Rule-Based Algorithm · Database

- Building a system for a trust to automate scholarship eligibility screening for financially underprivileged students.
- Implemented an ML rule-based algorithm to evaluate and shortlist eligible applicants based on defined criteria.
- Designed a verifier workflow where shortlisted students undergo physical verification before final approval or rejection.

RAG-Based Domain Q&A System (Local LLM)

Python · RAG · Local LLM · Vector Database

- Built a Retrieval-Augmented Generation model for accurate answers across College, Law, and Medical domains.
- Runs on a local LLM, ensuring data privacy and offline usability without reliance on cloud APIs.

Python Rule-Based Chatbot

Python

- Developed a conversational chatbot that responds to a predefined set of questions using a rule-based approach.

TECHNICAL SKILLS

Python · Machine Learning · RAG / LLM · Database Design & Management · SQL · UI/UX Design · Rule-Based Algorithms

CERTIFICATIONS

UI/UX Design Certification

LANGUAGES

English (Professional) Tamil (Native)