MOHAN SABARI RAJA RD

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📅 11/07/2005

⚥ Male

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Profile

Dedicated and adaptable worker known for high-quality output and rapid response to last-minute changes. Strong analytical and creative skills utilized to develop effective solutions in fast-paced settings. Committed Lo thoroughness and precision, ensuring all tasks are completed on time and to a high standard.

Skills

Programming   ● ● ● ○ ○
- Software development: Python and Java
- Algorithm design and data structures
- Frontend technologies: HTML, CSS, Bootstrap
- SQL database skills

Languages

Tamil
Mother Tongue

English
Professional Proficiency

Certificates

Qlik
Qlik Sense Business Analyst

Simplilearn
Gemini in Google Drive

Docker Essentials
IBM

Mind Luster
MLOps Techniques

Projects

Personalized Recommendation System
Developed a **personalized content-based recommendation system** using **K-Nearest Neighbors (KNN)** to suggest movies tailored to individual user preferences. Deployed the model using **Flask** and containerized the application with **Docker** for scalable deployment. Managed data and model versioning using **DVC**, maintained code with **Git**, and built an **MLOps pipeline** for automated training, testing, and deployment.

Study Recommendation chatbot
Designed and developed a **personalized chatbot assistant** to recommend study resources based on user queries and preferences. Implemented using **Python and Natural Language Processing (NLP)** techniques to understand academic-related inputs. Integrated **rule-based logic and keyword extraction** to suggest relevant topics, materials, and learning paths. Deployed using **Flask**, with interactive frontend elements using **HTML and Bootstrap**. Enhanced user engagement through **context-aware dialogue** and recommendation logic.

References

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