

Mohamed Aariz

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SKILLS

Technical skills: Python, TensorFlow, PyTorch, React / Next Js, Flutter, Node Js, Spring Boot, Fast API, Java, JavaScript, C, C++, Matlab, Microservices, Data Visualization, AWS, Selenium, Computer Vision, NLP, HuggingFace, Langchain, Gen AI, Docker, Jenkins, Kubernetes, MySQL, MongoDB, PostgreSQL, Firebase, Figma

EXPERIENCE

Flutter Developer Intern

January 2024 - March 2024

Mobile App Development

- Studize is an education app designed to assist students in preparing for competitive exams specifically for JEE. It features a personalized roadmap generator for study plans and a generative AI tool for past exam questions.
- Designed and implemented a responsive and intuitive user interface for only specific screens using Flutter.
- Developed navigation flows and user authentication using Firebase Authentication.
- Integrated LangChain for generating relevant past exam questions.
- Utilized Google Gemini AI to enhance the quality of generated content.
- Established API connections to interact with AI models and fetch generated questions.

PROJECT PORTFOLIO

Convolution Neural Network – Full Stack Image Classification

April 2024

- Developed an image classification model for Indian food identification using TensorFlow, achieving 98% accuracy.
- Applied data preprocessing techniques (resizing, scaling, data augmentation) to enhance model performance.
- Built a FastAPI backend for image uploads and classification, with a web interface using HTML, CSS, and JavaScript.
- Deployed the model to edge devices by converting it to TensorFlow Lite and integrated it into a Flutter app for real-time mobile food classification.. [GitHub](#)

Natural Language Processing – Movie Recommenders System

Dec 2023

- Developed a content-based movie recommendation system using Natural Language Processing (NLP) techniques for analyzing movie descriptions and user preferences.
- The frontend is implemented using Streamlit for an interactive and user- friendly experience. And also, in cooperated TMDB dataset API for displaying movie info and poster image through JSON file.
- Utilized NLP tools such as NLTK for stemming and lemmatization to normalize text data. Implemented tokenization, stop-word removal, and vectorization techniques to convert text data into numerical form.
- Employed cosine similarity to measure the similarity between movie descriptions. [GitHub](#)

Movie Review Application - Spring Boot

June 2024 - August 2024

- Developed a movie review platform using Spring Boot for backend API management.
- Implemented user authentication and authorization features, allowing users to create accounts, log in, and submit reviews.
- Designed RESTful APIs to handle CRUD operations for movie reviews, ratings, and user profiles.
- Integrated a MySQL database for efficient data storage and retrieval of movie details and user reviews.
- Built a dynamic front-end using HTML, CSS, and JavaScript to display movie details, reviews, and ratings.
- Enhanced user experience by implementing pagination, search functionality, and filtering options for reviews.

EDUCATION

Vellore Institute of Technology

Vellore, Tamil Nadu

BTech in Computer Science - CGPA: 8.3

EXTRACURRICULAR AND CERTIFICATION

DevTown

Data Science Industrial Internship Training Program – 3 months, Top 20 among 250 candidates.

[Certificate](#)

[Letter Of Recommendation](#)