Saravan A D

CONTACT

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PROFESSIONAL EXPERIENCE

Developer I at UST Global | 2025

- Automated API endpoint test cases using Bruno
- Got knowledge in testing and Automation testing tools like Selenium, Playwright, Rest Assured.
- Have knowledge in Cucumber and TestNG framework.

Associate Software Engineer at Temetatech as an intern | July 2023 – October 2023

- Prepared the UI of a website using wordpress

SKILLSET

Python Django	**Selenium**	**Rest Assured API testing**
FastAPI	**Playwright**	**Tensorflow**
**Machine learning	scikit-learn library**	**Cucumber**	**Postman**
Java	**C/C++**	**Bruno**
Appium Testing	**SQL**	

PROJECTS

- **AI Knowledge Assistant using FastAPI and RAG**
  - Built a conversational AI backend using FastAPI integrated with LLM APIs
  - Implemented chat memory for multi-turn context handling
  - Developed document-based Q&A system using Retrieval-Augmented Generation (RAG)
  - Designed REST APIs, database storage, and modular service architecture
- **Maintained automation test script in Bruno**
  - Created automation script for API testing
  - Updated the previous automation scripts by automating test cases which were more complex to automate
  - Did manual testing and prepared reports
- **Automated Question paper Generator**
  - Developed the backend using Python Django framework with firebase database
- **Integrated Vehicular Safety Network**
  - Created a model for detecting pedestrians using YOLO
  - Researched on creating a model to detect road lanes.
  - Prepared door opening safety mechanism using EasyOCR and YOLO
- **Titanic Casualty Prediction**
  - Created a model using scikit-learn to predict the survival of passengers in titanic
  - Cleaned and preprocessed the dataset
  - Trained using various algorithms
- **Royal Brothers Test Case Automation**
  - Performed automation testing on the web UI and mobile app of Royal Brothers using Selenium, Appium and Cucumber framework
  - Generated test reports using extent reports

EDUCATION

Mar Baselios College of Engineering and Technology | 2020–2024

Computer Science and Engineering