

# HAREEDA M S

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## SUMMARY

Detail-oriented **QA Automation Engineer** with **1+ years** of experience in **manual and automated testing**, **API testing**, and **CI/CD integration**. Skilled in **developing test frameworks**, **optimizing processes**, and **automating workflows**. Proven track record of reducing manual testing efforts by **95%** and improving efficiency. Seeking to leverage expertise in a **growth-oriented environment**.

## WORK EXPERIENCE

### UST

Tester-I Software Testing

TVM, Kerala

March 2024 – Present

- **Product Expertise:** Contributed to the development and testing products supporting the **US healthcare system**, specifically in areas of healthcare resource planning and health insurance enrolment.
- **Framework Development:** Assisted in the design and implementation of **test frameworks** for validating healthcare data, increasing test coverage, and reducing manual testing efforts.
- **CI/CD Integration:** Utilized **Jenkins** and **version control tools** to automate the testing process, ensuring seamless integration with the development pipeline.
- **Data Parsing Frameworks:** Designed a framework for parsing **health plan Excel files**, automating data extraction and transformation based on **mapping Excel files** for column-to-column, which cut down manual effort by 95%.
- **PDF Parsing Tool Development:** Implemented PDF data extraction using **Tesseract OCR**, leveraging **AI/ML** techniques for accurate text parsing and automation. Contributed to building a tool that extracts data from health plan PDFs and generates structured health plan grid Excel files, reducing manual work by 80%.
- **Defect Tracking and Reporting:** Utilized **JIRA** for tracking test results, reporting defects, and collaborating with developers to ensure timely issue resolution.
- **Test Case Development:** Assisted in the creation and maintenance of **test cases**, ensuring comprehensive coverage of relevant scenarios in alignment with project requirements.

### Key Achievements:

- ✓ Built an **automated DTRR tool**, reducing manual effort by **90%** for enrollment test cases.
- ✓ Reduced manual data extraction by **95%** via automated parsing frameworks.
- ✓ Enhanced testing efficiency by **80%** by automating PDF extraction using AI/ML techniques.

### INMAKESINFOTECH

Junior Python Full Stack Intern

Kochi, Kerala

December 2023 – March 2024

- Participated in comprehensive training programs focusing on Python and its related libraries, including Pandas, Django, Machine Learning, Flask, CSS, and HTML.
- Developed and implemented multiple projects using the skills acquired:
  - Apollo University: Built a **student portal** (Django) with user authentication and course navigation.
  - Muforl E-commerce Website: Developed a **responsive e-commerce site** (Flask) for secure transactions.

### Key Achievement:

- ✓ Delivered **2 end-to-end web applications** using Python frameworks.

## EDUCATION

### MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY

Bachelor of Technology

Major in Computer Science

Cumulative GPA: 7.82/10.0

Relevant Coursework: Data Structures, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence.

TVM, Kerala

Jul 2019 – May 2023

## **ACADEMIC PROJECTS**

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### **SMART SURVEILLANCE SYSTEM USING MACHINE LEARNING**

- Designed and implemented a home surveillance system with features like intruder and weapon detection.
- The system alerts the user through a telegram bot when an intrusion is detected.

### **BIOMETRIC AUTHENTICATION USING BLOCKCHAIN**

- Designed and implemented a storage system that leverages the advantages of both biometrics and blockchain.

## **ADDITIONAL**

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**Languages & Frameworks:** Python, Java, JavaScript, TypeScript, C, Flask, Django, Selenium, Postman, JMeter, LoadRunner, Karate, Cucumber, TestNG, JUnit, RestAssured, Cypress, Playwright.

**Tools & Technologies:** Jenkins, Git, AWS, Dynatrace, Swagger, Tesseract, MySQL, MS Excel

**Soft Skills:** Problem-Solving, Communication, Team Management, Collaboration, Data Analytics

**Languages:** English, Malayalam, Hindi, Tamil, Korean.