

SENTHILKUMAR A

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CAREER OBJECTIVE

Aspiring Software Developer with a strong foundation in programming, web development, testing and database management. Developed in using Selenium and Python for designing and executing automated test scripts, ensuring the delivery of high-quality software solutions. Developed the SmartFood Hub Application to manage and redistribute surplus food within urban areas, promoting sustainability and reducing food waste. Passionate about tackling complex problems, learning new technologies, and contributing to organizational success through technology-driven solutions.

SKILLS

Programming Languages | Python

Frontend Development | HTML, CSS, JavaScript

Testing Tool & Concepts | Selenium, manual testing

Database Management | MySQL

Version Control | GitHub

EDUCATION

S.K.P Engineering college

Bachelor's Degree in Computer Science and Engineering
Tiruvannamalai

Sep 2020 – Jun 2024

CGPA : 8.00

Class XII

Cluny Matric Higher Secondary School, Devikapuram

Jun 2019 – Mar 2020

Percentage : 60

Class X

Cluny Matric Higher Secondary School, Devikapuram

Jun 2017 – Mar 2018

Percentage : 84

PROJECTS

Automated Web Testing for Healthcare Appointment System using Selenium

Jan2025 - Jan2025

- Automated web testing using Python and Selenium WebDriver for CURA Healthcare demo.
- Implemented browser automation with Chrome WebDriver for seamless interaction and Automated Testing.
- Designed test scenarios with explicit waits, dynamic locators and debugging techniques.
- Improved efficiency by reducing manual effort and ensuring smooth functionality through Software Testing.
- Tech Stack Used : Python, Selenium WebDriver, Chrome WebDriver

GitHub Link : [Automated testing link](#)

Feb2024–Apr2024

The SmartFood Hub Application

- Developed a mobile platform connecting surplus food suppliers with local communities to reduce urban food waste.
- Optimized resource utilization and streamlined food redistribution using data-driven mechanisms.
- Reduced urban food waste by 30% through the development of a mobile platform connecting surplus food suppliers.
- I have created user-friendly interfaces for seamless navigation, boosting adoption and usability.
- Tech Stack Used : Java, XML, Gradle, Firebase, Android Studio

GitHub Link : [Smart Food Hub Application](#)

COURSE TRAINING

Completed in-depth training in Python and Software Testing at Besant Technologies. Gained strong knowledge in Python fundamentals, object-oriented programming, and scripting techniques. Learned software testing methodologies including manual testing, test case creation, defect tracking, and basics of automation. The training helped build a solid foundation in both development and quality assurance practices.

CERTIFICATIONS

- Airbaclabs – [Workshop on Web Designing and Development](#)
- Besant Technologies – [Python Course](#)
- Besant Technologies – [Software Testing Course](#)