



# AKARSH MASHAL

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## Professional Summary

Java Developer and QA Engineer with expertise in manual and automated testing. Skilled in developing robust solutions using Java, Selenium, SQL, and front-end technologies. Certified in Java Full Stack Development and Software Testing, with experience in YOLO-based systems, enhancing functionality, and security. Proficient in Agile, SDLC, defect tracking, test case creation, and performance optimization.

## Technical Skills

- **Programming Languages:** Java.
- **Web Technologies:** HTML5, CSS3, JavaScript.
- **Database Management:** MySQL.
- **Frameworks and Tools:** Collection Framework, JDBC, Hibernate, Selenium, Git, TestNG, VS Code.

## Education

### Bachelor of Engineering (Information Science and Engineering)

Visvesvaraya Technological University, BLDEA's VP Dr. PG Halkatti College of Engineering and Technology, Bijapur

**Jul 2017 – Aug 2022**

### Pre-University Education (PCMB)

R.K.M PU College, Bijapur – Department of Pre-University Education

**Jun 2016 – Jul 2017**

### SSLC

P.D.J High School – Karnataka School Education and Examination Board

**Jun 2014 – Apr 2015**

## Projects

### Multiple Object Detection Using YOLO (Academic Project)

- Spearheaded the development of a multi-bounding box prediction system using YOLO, reducing frame processing time from 30 seconds to 5 seconds.
- Optimized detection workflows with simultaneous prediction of multiple bounding boxes and class probabilities, improving accuracy and speed.
- Enhanced object recognition capabilities across various domains by streamlining workflows, outperforming traditional detection methods in efficiency and reliability.

## Automation Testing Project – E-commerce Website

- Developed and executed automated test scripts for an e-commerce platform to validate key functionalities.
- Automated user workflows including **registration, login, account creation, product ordering, adding to cart, and order placement**.
- Implemented **TestNG framework** for test execution and reporting.
- Enhanced test efficiency by integrating **data-driven testing** and **parameterization** techniques.
- Performed regression testing to ensure smooth functionality across different modules.

## Internship Experience

### Software Development Intern (Web Developer)

*Sachi Soft Solutions, Bengaluru*

- Developed a web-based system to streamline visitor traffic management for residential societies, improving operational efficiency.
- Enhanced security measures with a centralized visitor tracking system, enabling effective control and monitoring of visitor access.
- Optimized visitor pass issuance and management processes, improving community safety and security protocols.

## Certifications

- Java Full Stack Development – Jspiders, Bengaluru
- Software Testing – Pentagon Space, Bengaluru

## Languages

- English (Professional Proficiency)
- Kannada (Native Proficiency)
- Hindi (Professional Proficiency)