

# AJITHKUMAR SEKAR

## Contact:

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## Web link:

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- GitHub : <https://github.com/Ajithkumar9047/>
- Portfolio : <https://ajithkumar9047.github.io/Portfolio/>

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## Carrier objectives:

To excel in software development with expertise in Python automation frameworks (Selenium, Flask, Django), Java (Selenium, Spring Boot). Specializing in API development and automation testing using Pactum and Cucumber, while also leveraging data analysis skills with NumPy, pandas, and Matplotlib.

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## Skill:

- Python
- Java
- Node Js
- Html
- CSS
- Flask
- MongoDB
- FastAPI
- Django
- Mysql

## Tools:

- Excel
- GitHub
- Selenium
- Spring Boot

## Internship:

- TATA virtual internship (Apr-2023)
- KPMG virtual internship (Apr-2023)

## Certification:

- Create AI for women - certified by Guvi (Mar-2023)
- Basic python code - certified by Hacker Rank (Apr-2023)

## Education:

### Master of Data science

IITM- Guvi, Chennai (Dec/2022)

### BE.EEE

Allagappa University, Karaikudi (Apr/2019)

## Experience:

### Automation Testing Engineer,

### Newgen Digital Pvt Ltd, Chennai (Apr/2023- Present)

- Python Automation with selenium.
- SQL database report generating.
- Python automated report generator
- Rest API using java Spring boot and also Unit test case development.
- Manual testing Websites and API testing using postman.

### System support engineer ,

### Cognizant, Chennai (Apr/2022-sep/2022)

- Supporting based on remedy ticket flow.
- Troubleshooting system network and software issues by taking remote control.
- Configuring Azure Domain.
- Configure and troubleshooting OUTLOOK Mail (O365). (Apr/2022-Dec/2022)

## Projects:

### *Policy Claim Process API*

**Duration:** 1 months (Jul 2024)

#### **Contribution:**

- Developed a FastAPI-based backend system for managing medical procedure data.
- Designed RESTful API endpoints for submitting, retrieving, updating, and deleting medical records.
- Implemented statistical analysis features to retrieve top providers based on net fees, improving data insights for medical claims.
- Integrated with MySQL for efficient data storage and retrieval.
- **Technologies used:** FastAPI, Python, MySQL

Link: [GitHub](#)

### *Restaurant Room Booking VoiceBot*

**Duration:** 4 months (Sep 2023 - Dec 2023)

#### **Contribution:**

- Created an NLP-based VoiceBot using Google voice recognition to automate room booking.
- Developed features that capture customer details via voice commands, reducing manual input by 70%.
- Increased room booking efficiency by 40% through automation.
- Deployed the application using Flask and integrated it with a backend database (MongoDB) for customer and booking management.
- **Technologies used:** Python, Flask, Google Voice Recognition API, MongoDB

Link: [GitHub](#)

### *Search Engine using GenAI and Flask*

**Duration:** 2 months (Jun 2023)

#### **Contribution:**

- Designed and developed a local web application for search functionality using GenAI models.
- Integrated the Gemini API for predictive search results, enabling more accurate and context-aware queries.
- Focused on building an intuitive user interface and fast retrieval times for large datasets.
- Deployed the system locally using the Flask framework and ensured seamless interaction with AI APIs.
- **Technologies used:** GenAI, Flask, Python, Gemini API

Link: [GitHub](#)