

# Dinaesh S

TESTING ENGINEER · BUSINESS/QUALITY ANALYST · BACKEND ENGINEER

Villianur, Puducherry

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## MyMind

As an entry-level professional with skilled in software testing, business analysis, and development, specializing in automation with Selenium and Python. A passionate Linux user and FOSS advocate, I excel in analyzing processes, identifying inefficiencies, and delivering innovative solutions. My strengths in testing and development drive business success and high-quality deliverables.

## Skills

<b>Programming</b>	Python, Web designing (HTML, CSS, Js), Shell Scripting, LaTeX, C, C++
<b>Backend</b>	Django, REST API
<b>Frontend</b>	HTML5, CSS3, Flowbite.js, Tailwindcss, Bootstrap, Hugo
<b>Testing Tools/Frameworks</b>	Selenium, Pytest, Postman
<b>Management Tools</b>	Jira, Confluence
<b>CMS &amp; Wiki</b>	Wordpress
<b>Sysadmin</b>	Bash scripting, systemd
<b>Operating Systems</b>	GNU/Linux (Arch linux, Ubuntu, Fedora, Debian, RPI OS), Windows, OSX
<b>RDBMS</b>	Postgresql, MySQL, MongoDB
<b>Networking</b>	OpenSSH, Tor
<b>Servers</b>	Nginx
<b>Containers, CI/CD</b>	Gitlab CI/CD, Docker, Docker Compose, Kubernetes
<b>Graphics Design</b>	Inkscape, GIMP, Krita
<b>Text Editors</b>	Vim, Emacs
<b>Other Software</b>	Git, OBS Studio, Tmux
<b>Languages</b>	Tamil, Marathi, English, Malayalam (intermediate)

## Work Experience

### Test Engineer

Chennai

APPGLIDE SOLUTIONS

January 2024 - Present

- **Automation Implementation:** Designed and developed **end-to-end UI automation tool** using Python and Selenium for client dashboards, reducing manual testing effort by 50% and improving testing accuracy.
- **Test Planning and Execution:** Create and implement detailed test plans and cases for both manual and automated testing. Utilize Selenium for automation to increase testing efficiency and coverage.
- **Cross-Functional Collaboration:** Work closely with Customer Success Engineers and Solutions Engineers to identify, troubleshoot, and resolve software defects and usability issues, ensuring client satisfaction and effective solution delivery.
- **Achievements:** Facilitated the resolution of major defects, resulting in a 30% increase in customer satisfaction. **Awarded** Best Employee of the Month twice for exceptional performance and dedication. Received **Customer Appreciation** for outstanding service and contributions to project success.

### Full Stack Web Developer Intern

Puducherry

COOPON SCITECH LLP

August 2023 - December 2023

- Led the development of a dynamic web application aimed at empowering free software activists globally. This platform served as a central hub for facilitating activism and fostering community engagement.
- Introduced gamification elements to incentivize contributions to open-source projects. Utilized Django and Python to implement robust metrics tracking, including commits, pull requests, and issue closures. Additionally, integrated monitoring functionalities to track activity across various platforms such as wiki and OSM.

## Projects

### Task Tracker

PYTHON, DJANGO, FLOWBITE.JS, TAILWINDCSS

- A web application for SignUp BC.
- Track the task.
- Functionalities with punch-in, punch-out and work summary.

## Personal home server

UBUNTU SERVER, OPENSSSH

- Used as a backup of my files
- Used it as a database backup server.
- Save videos and music and stream them over the web.

## Pi-hole

DOCKER, NETWORKING

- Pi-hole is an Ad blocking private VPN.
- Set up Pi-hole by using Docker compose.
- Collated numerous Ad block lists to block more than 15 Lakh Domains.
- On boarded 17 devices across Linux, Windows and android permanent connectivity to this VPN irrespective of mobile network or WiFi.

## NextCloud

LEMP STACK, NGINX

- Deployed open source alternative to google drive for community file sharing.
- Configured Nginx caching, compression, encryption and performance by using industry standards.

## Jellyfin

DOCKER, PODMAN, KODI

- Free Software Media System that puts you in control of managing and streaming your media.
- It is an alternative to the proprietary Emby and Plex, to provide media from a dedicated server to end-user devices via multiple apps.

## Education

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### Pondicherry University

*Puducherry*

B.SC MATHEMATICS

*November 2020 - May 2023*

- Coordinator/Executive Committee(EC) Member for Social and Open Technologies Community Club.
- Speaker for 2+ Events
- Organized 5+ Technical Events.

## Community Work

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### Free Software Hardware Movement

*Puducherry*

JOINT SECRETARY

*2023 - Present*

- Implemented strategic initiatives to advance technological literacy and fostered collaboration through innovative networking solutions.
- Advocated for diverse networking initiatives to enhance visibility and promote awareness effectively.
- Co-ordinated weekly technical meetups & workshops

### Free Software Hardware Movement

*Puducherry*

EXECUTIVE COMMITTEE MEMBER

*2020 - 2023*

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.
- Co-ordinated weekly technical meetups & workshops

### Social and Open Technologies Community

*Puducherry University*

EXECUTIVE COMMITTEE MEMBER

*2020 - 2023*

- A vibrant knowledge-sharing hub where students at Pondicherry University come together to explore, discuss, and deepen their understanding of open technology and privacy-related topics.
- Co-ordinated weekly technical meetups & workshops
- Organized a Game Jam using Open Source Tools

### Free Software Hardware Movement

*Puducherry*

MEMBER

*2016 - 2020*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

## Program Committees

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2023	<b>Co-Ordinator</b> , Software Freedom Day - A Yearly festival on celebrating FOSS	<i>Puducherry, India</i>
2023	<b>Co-Ordinator</b> , Hactivist Camp - A two days camp on Technology and Freedom	<i>Puducherry, India</i>
2022	<b>Co-Ordinator</b> , Game Jam - A Game development competition using Open Source Tools	<i>Puducherry, India</i>
2022	<b>Co-Ordinator</b> , DevOps & Cloud Computing Workshop	<i>Puducherry, India</i>
2021	<b>Executive Committee Member</b> , Social Open Technology Community	<i>Puducherry, India</i>
2020	<b>Executive Committee Member</b> , Free Software and Harware Movement Puducherry	<i>Puducherry, India</i>