

Dinaesh S

BACKEND ENGINEER · FRONTEND DEVELOPER · FULL STACK DEVELOPER

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MyMind

Full Stack Python and Django Developer. Proficient in front-end and back-end development, database management, and API integration. Strong collaborator, eager to contribute technical skills and drive innovation in web development projects.

Skills

Programming	Python, Web designing (HTML, CSS, JS), Shell Scripting, LaTeX, Java (Beginner), Shell Scripting, C, C++
Backend	Django, REST API
Frontend	HTML5, CSS3, Flowbite.js, Tailwindcss, Bootstrap, Hugo
CMS & Wiki	Wordpress, dokuWiki
Sysadmin	Bash scripting, systemd
Operating Systems	GNU/Linux (Arch linux, Ubuntu, Fedora, Debian, RPI OS), Windows, OSX
RDBMS	Postgresql, MySQL, MariaDB, SQLite
Networking	OpenSSH, Tor
Servers	Nginx
Containers, CI/CD	Gitlab CI/CD, Shell Scripts, Docker, Docker Compose
Graphics Design	Inkscape, GIMP, Krita
Text Editors	Vim, Emacs
Other Software	Git, OBS Studio, Tmux
Languages	Tamil, Marathi, English, Malayalam (intermediate)

Work Experience

Coopon Scitech LLP

Puducherry

FULL STACK WEB DEVELOPER INTERN

August. 2023 - Present

- Implemented a web application for free software activists around the world to find ways to take action.
- Gamify the contribution towards open source projects using metrics, such as the number of commits, pull requests, issues closed, and their corresponding activity in wiki, OSM, etc., with Django and Python.

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

Pondicherry University

B.SC MATHEMATICS

Puducherry

November 2020 - May 2023

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

Community Work

Free Software Hardware Movement

JOINT SECRETARY

Puducherry

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

EXECUTIVE COMMITTEE MEMBER

Puducherry

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 Technology Community

EXECUTIVE COMMITTEE MEMBER

Puducherry University

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

MEMBER

Puducherry

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

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