

# Sundaram Krishnan

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## Experience

### Fedora Project (Copr)

[View Contributions](#)

- Integrated the coprtree dependency resolver into copr-cli via a new --with-deps option for buildpypi (#4410).
- Added Unix file pattern matching support to the --chroot and --exclude-chroot options (#4403).
- Implemented a dedicated route for searching packages by name, version, and release (#4154).
- Developed Custom HTML Description support for users and groups to enhance profile customization (#4170).

### Hartsy AI

Nov 2025 — Aug 2026

Contract Full Stack Developer

South Florida, USA (Remote)

- Own end-to-end feature development using .NET across the entire stack, from frontend integration to API controllers and the Supabase service layer.
- Built a CI/CD pipeline for the .NET backend to automate code formatting and build checks.
- Add new models support and resolved bugs for their open-source Swarm UI extensions.

### Oddly AI

Jun 2025 — Jul 2025

Software Engineering Intern

Haryana, India (Remote)

- Implemented a wrapper around the Intuit and Xero SDKs to simplify accounting data access.
- Integrated OAuth 2.0 to handle secure authentication with both Intuit and Xero APIs.
- Used Hono.js to build the API endpoints for the integration.
- Used Supabase for backend database management and user authentication.

### EcoScoot Mobility Pvt Ltd

Jun 2023 — May 2025

Software Engineer and Systems Administrator Intern

Indiranagar, Bangalore, India (Remote)

- Integrated the MAVLink protocol using MAVProxy to enable communication between flight controllers and microcontrollers.
- Integrated Differential GPS (DGPS) to achieve centimeter-level accuracy for autonomous drone navigation.
- Developed a web dashboard using Next.js and the mavlink2rest API for real-time telemetry monitoring.
- Maintained web services and general system infrastructure for autonomous drone operations.

## Projects

### CoprTree — Dependency Resolver for Fedora Copr

[View GitHub Repository](#)

- Resolves a package's dependencies, skips what Fedora or your Copr project already ships, and sorts the rest into levels that can be built in parallel.
- Officially packaged in the Fedora repositories as python3-copr-tree, and on PyPI.
- Queries the ecosyste.ms API for dependency metadata, covering PyPI and CPAN behind a small provider interface so new ecosystems are easy to add.
- Shipped as a copr-free library plus a copr-tree-cli command, so copr-cli can import the resolver directly.

### pigg — Raspberry Pi GPIO GUI

[View GitHub Repository](#)

- Developed the core functional GUI using the Iced framework (Rust).
- Maintainer of the official Arch Linux package (pigg-x86\_64-unknown-linux-gnu) on the AUR.
- Contributed upstream to the Iced library by implementing a 'disabled state' toggle for the Toggler widget (#2478).
- Project recognized with 350+ GitHub stars, reflecting strong community interest.

### Waycrate — Wayland Development Organization

[View Organization Repository](#)

- Built a Virtual Keyboard using the iced-layershell library.
- Added a Bottom Panel Example for the iced-layershell library.
- Created ColdLock, a session locker for Wayland using the iced-sessionlock library.

## Skills

**Languages:** Python, Rust, Typescript

**Cloud:** AWS, Databricks

**Frameworks:** Next.js, React, Iced, Svelte

**OS:** Fedora, Arch Linux, Ubuntu

**Packaging:** RPM, Copr, dnf, AUR

**Tools:** Git, Docker, Nginx, GitHub Actions

## Education

Vivekanand Education Society's Institute Of Technology

June 2023 — June 2027

B.Tech. in Artificial Intelligence and Data Science (CGPA: 9.6/10)

Mumbai, India

Courses: Deep Learning, Generative AI, Secure Software Development