

Pratham Patel

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[GitHub](#) | [GitLab](#) | [LinkedIn](#)

Open Source

- Budding contributor to [nixpkgs](#).
- Part of the RESF where I, with Rocky Linux, provide community support for ARM hardware that Red Hat has not certified for RHEL.

Skills

- Rust, C, Python, Git, Linux Kernel
- RHEL, Nix, Ubuntu, Debian
- Docker, Podman
- ARM, RISC-V

Experience

Ola Krutrim | Software Engineer, Remote Intern || 2023/10 - Present

In preparation for the launch of our [upcoming] RISC-V based servers (for AI inference), I worked on the following:

- A custom Linux kernel scheduler (using `sched_ext`, an eBPF feature) for internal consumption.
- Continuation of 'x86 to RISC-V binary transpiler' from Bodhi Computing's acquisition.

Bodhi Computing | Software Engineer, Remote Intern || 2023/07

Started initial work on the 'x86 to RISC-V binary transpiler' to help customers with a binary-only deployment. This was done using the Rust language to *ensure one-to-one mapping* for x86 and RISC-V assembly.

Bodhi Computing was later acquired by Ola Krutrim.

It's FOSS | Technical writer (freelance) || 2021/10 - Present

I cover technical topics such as following:

- [Compiling the Linux kernel, a beginner's guide](#)
- [Attaching a UART to your Raspberry Pi](#)
- [Micro-course on the Rust programming language](#)
- [Few tutorials on Podman](#) (Red Hat's alternative to Docker)

Certificates

- [A Beginner's Guide to Linux Kernel Development \(LFD103\)](#)

Education

ITM BU | B.Tech in CSE-AI || 2021/06 - 2024/06 (*expected*)

(soon)

Sigma Institute of Technology and Engineering | UG Diploma in CSE || 2018/06 - 2021/06

- Received 100% tuition fee waiver from the Govt. of Gujarat due to my excellent academic performance.
- Scored **10 SPI** and **8.98 CGPA** (out of 10).