

Aman Phatak

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[website](#), [github](#), [linkedin](#)

Work Experience

Centre for Mental Health Law and Policy

March 2023 – August 2025

Software Engineering Intern

- Created software tools for researchers to automate and streamline manual workflows.
- Developed webscrapers and data cleaning tools for the [SIREN project](#) to scrape articles and related metadata from various E-papers, saving over 4000 hours of manual work.
- Wrote scrapers for the [Public Archive](#), fully automating a previously manual workflow.

Art Society of India

September 2023 - February 2025

Freelance Developer

- Engineered a full-stack web app for the Art Society of India for processing user registrations, artwork submissions, payments and facilitating the judging process for the All-India Annual Art Exhibition, handling thousands of users.
- Automatically digitized membership records by moving data from paper to a database via OCR, saving hundreds of hours of manual work.

Scrivener AI

November 2024 - January 2025

Software Engineering Intern

- Engineered the memory component of the DANA legal assistant, integrating PostgreSQL with LangChain and allowing users to submit and gain insights from legal documents.
- Refactored the entire Python backend, adding type annotations, dependency management with uv and data validation with pydantic to improve maintainability.

Projects

Glowworm *Rust* [[source](#), [demo](#), [blog](#)]

A [bias lighting](#) system for Wayland that synchronizes an LED strip to your monitor's colors.

Manzar *Rust* [[source](#)]

An animated cat sprite that follows your cursor. Uses Rust-generated WebAssembly.

Skills

Programming Languages	Python, Rust
Databases	PostgreSQL, MariaDB, MongoDB
Operating Systems	Linux, Windows
Tools	Git, Docker
Frameworks	Django, Svelte

Education

Bachelor of Computer Application

Symbiosis Institute of Computer Studies and Research

2022 – 2025

Pune, India