

# Aman Phatak

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

## Work Experience

### Centre for Mental Health Law and Policy

*Software Engineering Intern*

March 2023 – August 2025

- 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

*Freelance Developer*

September 2023 - February 2025

- 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

*Software Engineering Intern*

November 2024 - January 2025

- 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

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