

# AMAN PHATAK

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

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## Work Experience

### Centre for Mental Health Law and Policy

March 2023 – Present

*Software Engineer Intern*

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

### Art Society of India

September 2023 – Present

*Freelance Developer*

- Created a web application for the Art Society of India for processing user registrations, artwork submissions and payments for the 23<sup>rd</sup> edition of the [All-India Annual Art Exhibition](#).
- Created an administrator portal for automating manual tasks like batch emailing, image processing and other utilities, cutting down on a significant amount of manual work.
- Digitized membership records by moving data from paper to a database and set up a new member registration portal.

## Projects

**Personal Website** *Svelte, Cloudflare Pages* [\[source\]](#)

My [personal website](#), made with svelte and hosted on cloudflare pages.

**Manzar** *Rust, WebAssembly* [\[source\]](#)

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

**Ambilight** *Arduino C, Rust* [\[demo\]](#)

A [bias lighting](#) system that uses the Adalight protocol to synchronize an ARGB LED strip to your monitor's colors. Currently under maintenance for Wayland support.

## Skills

**Programming Languages:** Python, Rust, JavaScript

**Databases:** PostgreSQL, MariaDB, MongoDB

**Operating Systems:** Arch Linux, Ubuntu, Windows 10

**DevOps:** Git, Docker

**Hardware:** ESP8266/NodeMCU, Arduino UNO/MEGA, Raspberry Pi 4B/5

**Frameworks:** Django, Litestar, Svelte

## Education

### Bachelor of Computer Application

Symbiosis Institute of Computer Studies and Research

2022 – 2025

Pune, India