

Prashant Paneru

BACKEND DEVELOPER | DATA ENGINEER

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TECHNICAL SKILLS

LANGUAGES	Python, SQL, C, C++
BACKEND	Django, Django REST Framework, FastAPI, PostgreSQL, Redis
SCRAPING	Scrapy, BeautifulSoup, Selenium, zendriver, camoufox, Chrome DevTools Protocol
TOOLING	Docker, Linux, Git, NumPy, Pandas, Matplotlib
CONCEPTS	REST API design, ETL pipelines, data modeling, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

Data Engineer / Ankamala Research Pvt. Ltd. Jan 2026 - May 2026
Remote, part-time

- Built and maintained ETL pipelines that collect, clean and store web data.
- Wrote scraping and extraction code in the company's in-house framework for sites with inconsistent page structure, and validated the output before handing it over.
- Built an internal backend API service.

Specific tools, data sources and partners are covered by a non-disclosure agreement.

Software Developer / Parsedom Jul 2023 - Feb 2025
Toronto, Canada (Remote) · Internship, then project-based contract work

- Built scraping tools for 20+ websites to collect data for internal projects.
- Worked on the backend of a Django web application, and wrote technical blog content.

Software Developer, Freelance / Fiverr Oct 2023 - Present
Web scraping, automation and bot building for clients.

PROJECTS

CtrlD / Python, Django, DRF, PostgreSQL GitHub

A productivity platform for team-based session tracking and analytics.

- Wrote three custom Django middleware. One closes sessions past their deadline, checking once a day on the first request so no scheduled job is needed. One records when each user was last online. One returns a 404 on admin URLs to anyone but a superuser, which keeps the admin panel hidden.
- Enforced member and admin access with custom view mixins and DRF permission classes, including a rule that blocks edits to sessions that have already ended.
- Used signals to update session rankings as tasks are tracked and to post room notices when members join or sessions start and end.
- Wrote 120+ tests across models, views, API endpoints and signals.

AiScrapeLite / Python, Playwright, Groq API GitHub

A pip-installable web scraper that takes a URL and a plain-English goal and returns the requested data as JSON.

- Built the navigation loop: it lists the page's interactive elements, asks an LLM which ones to click or fill, runs those actions in Playwright, and repeats up to a step limit.
- Converts the final page to markdown for extraction, then parses the model's JSON and flags any required fields it is missing.

Other projects: SocialBlade Scraper (Scrapy), AutoCV, SaySomething, L-in-Discord, and more.

EDUCATION & ACHIEVEMENTS

Patan Multiple Campus Expected 2027
Bachelor of Information Technology, GPA 3.55 / 4 · First Runner-Up, Ascol Hackathon 2024