

Sagun Shrestha

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Profile

I am a software engineer with strong expertise in Python, SQL, Linux, and PHP. I specialize in backend development and web scraping using frameworks like Flask, Django, FastAPI and Scrapy to design and develop robust applications.

Skills

Python, PHP, SQL, Flask, Scrapy, Django, FastAPI, Linux, Server Administration, AWS, CI/CD

Experience

Software Engineer, SQM Research [🔗](#) 2022 May – present | Sydney, Australia

- Implemented data pipelines and automated monitoring processes to gather and integrate real estate data, improving data accuracy and reducing error rates.
- Developed and managed complex web scraping scripts to bypass bot detection and extract high-quality data from various websites.
- Automated data delivery and report generation process by building custom APIs for customers.
- Migrated legacy codebases from PHP 5.6 to 7.2 and Python 2.7 to 3.8, streamlining processes to significantly enhance efficiency, performance, security and maintainability.
- Advocated for and implemented GitHub for version control, along with building a CI/CD pipelines using GitHub Actions.

Software Engineer, Get My Course [🔗](#) 2018 Jan – 2022 Feb | Remote

- Automated workflows to streamline and eliminate hours of manual research, increasing efficiency.
- Developed pipelines for data matching and aggregation across multiple sources, ensuring accurate and efficient data consolidation.
- Utilized Selenium, Scrapy and BeautifulSoup for web scraping and integrated them with PostgreSQL.

Software Engineer Intern, YoungInnovations Pvt. Ltd. [🔗](#) 2017 Sep – 2017 Dec | Lalitpur, Nepal

- Developed a aggregator to gather data from multiple sources using Scrapy.
- Contributed to both backend and frontend functionality using Django and jQuery.
- Built a keyword based classifier to identify news related to violence against women.

Education

Masters of Data Science (6.18/7 GPA), Western Sydney University 2022 Mar – 2024 Jan | Sydney, Australia

BSc Computer Science (75 %), Tribhuvan University 2013 Oct – 2017 Dec | Kathmandu, Nepal

Project

Entry Level Remote Job, Aggregates entry level remote jobs - <https://entrylevelremotefjob.com/>

HN Deck, Tweetdeck like interface for browsing Hacker news - <https://hndeck.sagunshrestha.com/>

Eco Browse, Estimating carbon footprint of a webpage based on data usage and datacenter characteristics.

Additional Activities

Published articles in Towards Data Science [🔗](#)

Chess Enthusiast - Won intra-college competition