

SHRAWAN SUNAR

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SKILLS SUMMARY

Languages: Python, C, JAVA, JSON, JAVASCRIPT
Web Development: HTML, CSS, Bootstrap, jQuery, Font Awesome
Frameworks: **FastAPI, Flask, Django**
Databases: MySQL, Microsoft SQL Server, **PostgreSQL, Redis**
Tools: **Git, Github, Postman**, Excel, Draw.io, **LINUX**, \LaTeX
Skills: **Data Science** Front-end, **Back-end**, **REST API**, Unit testing, Agile/Scrum

EXPERIENCE

Software Developer Intern - Navya Advisors Limited

Kathmandu, Nepal

Part-time - Onsite

Jun 2022 - Dec 2022

- **Tech Stack:** Python and PostgreSQL
- **Worked** as a Software Developer Intern for 6 months to create sophisticated scrapers for collecting financial data for the FinTech startup company.
- **Collaborated** closely with a Senior Data Scientist to efficiently parse, manipulate, and store the scraped financial data in a highly usable format.
- **Utilized** industry standard tools and technologies to create, maintain and format reports.

Software Developer Trainee - Navya Advisors Limited

Kathmandu, Nepal

Full-time - Onsite

Dec 2022 - Dec 2023

- **Tech Stack:** Python, PostgreSQL, Machine Learning, NLP, RESTful APIs
- **Worked** as a Software Developer Trainee for 1 year, specializing in creating sophisticated scrapers for financial data in a FinTech startup.
- **Developed** robust RESTful APIs for the in-house Mobile and Web applications.
- **Implemented** advanced machine learning NLP models for sentiment analysis.
- **Engineered** powerful scrapers capable of efficiently extracting data from multiple sources.
- **Designed** and **implemented** database models to efficiently store and manage scraped financial data.
- **Managed** database administration tasks, ensuring data integrity, security, and optimal performance.
- **Provided** access to other developers by setting up and maintaining database user roles and permissions.
- **Parsed** and processed the collected data in a highly useful manner and stored it in optimized formats.
- **Collaborated** closely with team members, including a Senior Data Scientist, to ensure effective parsing, manipulation, and sentiment analysis of financial data.
- **Utilized** industry-standard tools and technologies to create, maintain, and format reports.
- **Demonstrated** excellent communication skills, presenting complex technical information clearly to both technical and non-technical stakeholders.

Software Engineer - Mave Fund

Cambridge, United Kingdom

Contract - Remote

Aug 2023 - Present

- **Tech Stack:** FastAPI, PostgreSQL, Redis, Stock Analysis Algorithms, SP500, Web Scraping, Linux, Bash, GitHub
- **Worked** as a Software Engineer for a Fintech startup founded by Cambridge graduates.
- **Developed** and maintained APIs using **FastAPI** for efficient communication between various components.

- **Managed** the database using **PostgreSQL** to ensure data integrity and optimal performance.
- **Utilized Redis** for caching, enhancing the speed and responsiveness of the applications.
- **Implemented** stock analysis algorithms as per the requirements of stakeholders.
- **Developed** an in-house algorithmic trading system for **SP500** companies.
- **Utilized** web scrapers to gather data from various sources, ensuring a comprehensive and up-to-date dataset.
- **Implemented** Linux **cronjobs** and **Bash scripts** for automations, streamlining routine tasks and improving efficiency.
- **Managed** GitHub repositories, overseeing **pull requests** and conducting **code reviews** to maintain code quality.
- **Collaborated** closely with stakeholders to understand and implement stock analysis algorithms effectively.
- **Contributed** to the development and enhancement of financial systems and tools.

PROJECTS

All projects can be found in [my github repository](#)

1. Nepse-Scraper (Web Scraping, Python Module) ([link](#)):

Developed a Python module for web scraping, similar to yfinance, to retrieve real-time financial data for Nepal Stock companies listed on Nepse (Nepal Stock Exchange).

- **Designed and Implemented** a Python module for web scraping, extracting real-time financial data of Nepal Stock companies.
- **Utilized** industry-standard scraping techniques to gather data from the Nepse website and other relevant sources.
- **Published** the Python module on GitHub, making it open-source and accessible to the community. ([link](#))
- **Published** the module on PyPI, enhancing its availability and ease of installation for the Python community. ([link](#))
- **Ensured** code quality through thorough testing and documentation, allowing for easy adoption and collaboration.
- **Contributed** to the financial data ecosystem by providing a Python module for accessing Nepal Stock company information programmatically.
- **Gained expertise** in Python module development, web scraping techniques, data extraction, and package distribution through PyPI.

EDUCATION

Infrastructure University Kuala Lumpur, Sunway College
Bachelor in Computer Science and Information Technology

Kathmandu, Nepal
Expected 2025