Pranil Shrestha

Software Developer | Cybersecurity Enthusiast

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PROFILE

Enthusiastic Python Developer with hands-on experience in full-stack development, specializing in Django and React. Skilled in building scalable applications, optimizing performance, and leading small teams. Passionate about cybersecurity and networking, with a keen interest in securing applications and enhancing network infrastructure. Eager to leverage technical expertise and problem-solving skills in a dynamic, growth-focused environment.

PROFESSIONAL EXPERIENCE

Junior Developer   02/2024 – present
Enigma DTS
- Part-time developer based on availability, contributing on projects using React and Golang,
- Developed and maintained responsive user interfaces in React,
- Improved performance by 20% by optimizing react components,
- Followed Agile methodologies to ensure timely delivery of tasks and effective team collaboration.

Django Intern   06/2024 – present
Yuwasoft ∅
- Designed and developed ERP system according to requirements provided by client in django,
- Acted as a Team lead to divide task and achieve maximum efficiency and teamwork
- Configured docker to containerize the system to build and test the application quickly,
- Assisted in deployment of the system to a subdomain

PROJECTS

ShareSansarDataScrape ∅   03/2024 – present
- Developed a web scraping tool using Scrapy to extract real-time market data from sharesansar.com
- Utilized XPath to navigate the HTML structure and extract information from table elements.
- Processed the extracted data using Pandas DataFrame for structured storage and manipulation.
- Automated the generation of CSV files containing the extracted data, with filenames reflecting the current date.
- Implemented GitHub workflows to automate the daily scraping process at 5 PM Nepal time, ensuring consistent and timely data updates.

ArtOurs ∅   01/2024 – present
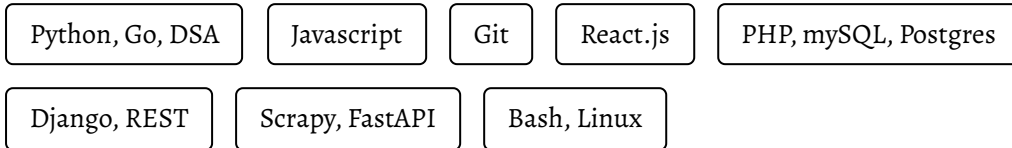*Enhancing Art Commerce*
- Developed a fully functional e-commerce website for art using Django.
- Implemented multi-role authentication and registration system.
- Utilized Django ORM for efficient database operations.
- Curated artwork with a blue tick verification for verified users.
- Implemented a feedback and rating system for artworks.
- Utilized Jinja as the Templating Language for Frontend Development
- Configured the deployment environment on PythonAnywhere for continuous delivery
- Enhanced Security and Performance by implementing CSRF protection.

CourseNotes   05/2024
- Designed and developed RESTful APIs using Django Rest Framework (DRF).
- Integrated JWT (JSON Web Token) authentication for secure access to APIs.

- Employed Django's ORM for efficient database interactions and migrations.
- Utilized viewsets and routers to streamline API endpoint creation.
- Utilized drf-spectacular to generate comprehensive API documentation.
- Used Git for version control and Postman for API documentation, following best practices for branching and merging.
- Developed responsive and user-friendly UI components using React.

SKILLS

| Python, Go, DSA | Javascript | Git | React.js | PHP, mySQL, Postgres |

| Django, REST | Scrapy, FastAPI | Bash, Linux |

EDUCATION

Bachelors
Samriddhi College 🔗
Currently pursuing a Bachelor's in Computer Application, acquiring in-depth knowledge in software development, programming languages, and honing problem-solving abilities.

2022 – present
Bhaktapur, Nepal

Plus Two
St. Xavier's College 🔗
Completed Plus Two in the Science stream with a specialization in Physics, acquiring a strong foundation in physical sciences and their practical applications

2019 – 2021
Kathmandu, Nepal

INTERESTS

Swimming | Chess | Books | Computer Systems | Networking and Cyber Security | DevOps

ORGANIZATIONS

SX3C Computer Club
General Member
Acted as a dedicated general member of SX3C Computer Club, I used to actively contribute to the club's initiatives, supporting various technology-related activities and events to foster a vibrant and engaging IT community.

2019 – 2021
Kathmandu, Nepal