

# Joyesh Shrestha

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<https://joyeshshrestha.com.np/>

**About Me:** Experienced and results-oriented Software Engineer with a strong foundation in Python programming and web development and harvesting the web content. Proficient in multi-agent parsing using advanced AI frameworks such as LlamaIndex and Langchain. Demonstrated expertise in designing and maintaining web applications using Python and PHP, employing an API-first approach to ensure scalability and efficiency. Committed to ongoing professional development and remaining abreast of emerging technologies to drive innovation and exceed industry standards.

## Education

### Bachelor's degree in information management

GPA - 3.71

Tribhuvan University – Thames International College

2018 - 2022

**Relevant Coursework:** Software Engineering, Gen AI, Prompt Engineering, UX Design, Cyber Security and law, Project Management, Java I & II, PHP, DSA with Java, DBMS, Web Development/Web Scraping/Parsing, C Programming

## Skills

**Languages:** Python, Java, JavaScript, PHP, C, React, SQL

**Technologies:** AWS, Docker, Data Visualization, REST API, Swagger, Workbench

**Framework:** Flask, Django, Langchain AI, Java Spark, React, Vue.js, Next.js, Seaborn, Scrapy, Node.js

**Database Technology:** SQL Server, Postgress, MySQL, MongoDB, SQLite

## Work Experience

### Ramailo Tech

Bengaluru, Karnataka, India

Python Django Developer

Sep 2023 - Nov 2023

- Possess demonstrated expertise in crafting E-commerce backends using Django, with a specialized emphasis on implementing resilient authentication systems, seamless JWT (JSON Web Token) integration, and meticulous API development.
- Engaged in an AI-focused hackathon, leveraging Django and artificial intelligence technologies to architect the backend infrastructure for the "Rent It" application.

**Skills:** Python, Django, JWT, Web Socket, Github

### FOCUSONE payment Solutions

Kathmandu, Nepal

Software Developer

July 2023 - Sep 2023

- Executed web scraping functionalities proficiently utilizing Jsoup to extract PAN number details from websites, while seamlessly integrating captcha-solving mechanisms to ensure a smooth data retrieval process.
- Effectively tackled challenges associated with rotating and resizing within a Vue.js application, adeptly resolving cropping issues and optimizing user experience in image processing tasks.

**Skills:** Java Spark, Workbench, Postman, Swagger.io, Vue.js, Jsoup

### Thames International College

Kathmandu, Nepal

Secretary of IT CLUB, and Graphic Designer

Feb 2021 - Jan 2023

- Executed diverse design projects encompassing Social Media Posts, Posters, Banners, Flyers, Backdrops, Podium designs, and other collateral, contributing to a visually cohesive and engaging brand presence.
- Actively participated in brainstorming sessions and design reviews, contributing innovative ideas and solutions to enhance the overall effectiveness of visual communication materials.

**Skills:** Leadership, Communication, Budgeting, Management, Photoshop, Illustration, Branding

### NepaCrafts

Kathmandu, Nepal

Data Visualization, Website Management, Graphic Designer

Sep 2018 - Oct 2023

- Analyzed the data of sales and planned on stocking items.
- Communicated with Customers and Managed the existing Website
- Discussions on Branding and Planning the upcoming posts

**Skills:** Tableau, D3.js, Photoshop, Illustration, Photography, Branding

## Projects *(References available upon request)*

### Personalized GenAI based Chatbot

Python | Langchain | Html | CSS

Developed a Chatbot using Langchain, OpenAI, Python, and Flask, serving as a personalized chat AI for portfolio purposes.

**Recipe Blog Application using Laravel with different user roles** <https://github.com/JoyeshShrestha/mithofood-blog.git>

PHP | Laravel | Swagger.io | HTML | CSS | JS

App that works as a blog for recipe. It has three users: SuperAdmin, Admin, Users

### Calories and Workout records using third party API

Python | Selenium | BeautifulSoup | Google Sheets API

Created a workout recording app using third party api

### Music Management System Using Flask

<https://github.com/JoyeshShrestha/Music-Management-System.git>

Python Flask | Workbench | MySQL | HTML

Developed a Music Management system that uses pagination to display users, artist, music