

Joyesh Shrestha

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About Me: Experienced and results-oriented Software Engineer with a strong foundation in Python programming and web development and harvesting the web content. Skilled in leveraging cutting-edge technologies to architect and develop robust web solutions. Proficient in multi-agent parsing using advanced AI frameworks such as LlamaIndex and Langchain, alongside a deep understanding of various NLP frameworks. 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

Tribhuvan University – Thames International College

Expected Graduation: July 2024

GPA - 3.71

2018 - 2024

Relevant Coursework: Software Engineering, Expertise in Artificial Intelligence, 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, Micro services, REST API, Kettle for Extract Transform Load(ETL)

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

Software Engineering Intern

Bengaluru, Karnataka, India

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

Software Developer Intern

Kathmandu, Nepal

Apr 2023 - May 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.
- Contributed to the development of a login system using Java Spark, extending its implementation to the backend to enhance system functionality and performance.

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

Thames International College

UX Designer and Graphic Designer

Kathmandu, Nepal

Aug 2022 - 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: Photoshop, Illustration, 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.

Jo - Blog Page

Python Flask | SQLAlchemy | Html | CSS

Designed and implemented a dynamic space using Flask, incorporating a secure login and logout system, prioritizing user privacy.

<https://jo-blog.onrender.com/>

Portfolio Website using Flask

Python Flask | Html | CSS

Developed a Portfolio website using Flask, which includes information on my other projects.

<https://jo-portfolio-alpha.vercel.app/>

Django Ecommerce Platform

Python Django/ Postgress

Developed a backend system for an ecommerce website using Django, Jwt , Postgress SQL

https://github.com/JoyeshShrestha/Ecommerce_platform

Mentor:

Pawan Roka (Director of Software Engineering)

LexisNexis Risk Solutions

Oklahoma City, USA.