

Pankaj Shah

Python / Java AI FullStack Engineer

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I am a dedicated and results-driven Python and Java backend developer with a strong foundation in building scalable and efficient systems. At 22, I have gained substantial industry experience through both internship and professional roles. I began my journey at NyxusByte Tech as a Django Python Developer (Nov 2023 – Feb 2024), where I was recognized as Intern of the Month for my outstanding performance and technical contributions.

In March 2024, I joined Avarthan Innovations as a Backend Developer, where I continue to deepen my expertise in Python, Java, Django, Spring Boot, and Artificial Intelligence. My ability to quickly adapt to new technologies and deliver high-quality, maintainable code reflects my commitment to excellence. I am passionate about backend development and AI, and I continuously strive to build robust software solutions that solve real-world problems.

EXPERIENCE

FullStack Engineer

INDIA

Avarthan Innovations

Mar, 2024 - Present

At Avathan Innovations, I work as a Python/Java Full Stack Engineer, primarily involved in designing and developing scalable web applications using Spring Boot, Django (Microservices Architecture) on the backend and React on the frontend. I contribute to building RESTful APIs, implementing secure authentication, and ensuring smooth communication between distributed services. My responsibilities also include database design, integrating third-party services, writing clean and maintainable code, and collaborating with cross-functional teams to deliver high-quality features.

Biratnagar International College

Biratnagar

Tutor

Nov, 2025 - Present

Tutor for ISA (Information Systems Architecture) and Full-Stack Development modules. Responsible for guiding students through core concepts, conducting practical sessions, assisting with assignments, and supporting students in building real-world applications using modern web technologies.

Django Backend Developer

Kathmandu

Warp Shuttle

Sep, 2024 - Nov, 2024

I worked at Warp Shuttle on a project-based role where I developed the entire backend of an e-commerce website using Django. My responsibilities included building APIs for product management, user authentication, and order handling, as well as designing the database and ensuring smooth integration with the frontend.

Django Developer Intern

Itharee, Nepal

Nyxusbyte Tech

Nov, 2023 - Feb, 2024

As a Django developer intern at NyxusByte Tech, I collaborated with experienced developers to build and improve web applications using Django. I contributed to various tasks such as feature implementation, bugging, and performance optimization. This internship provides a hands-on opportunity to learn Django development practices while working within a professional team environment.

EDUCATION

10th

Biratnagar, Nepal

Sagarmatha Secondary Boarding School

Jan, 2017 - Jan, 2018

GPA-3.65

12th

Biratnagar, Nepal

Sagarmatha Secondary Boarding School

Jan, 2018 - Jul, 2020

GPA-3.74

BEIT (Bachelor of Engineering in IT)

Nepal College of Information Technology

Balkumari ,Lalitpur

Jan, 2021 - Jul, 2025

GPA-3.72

PROJECTS

Unified Sports Booking and Smart Media System

The Unified Sports Booking & Smart News Media System (Backend) is a Django-based platform that combines sports venue booking management with a personalized news recommendation system. It features user authentication, venue and court management, booking and availability tracking, payment logging, OTP verification, and an AI-powered news recommendation engine for delivering tailored content.

<https://github.com/shahpankaj123/Unified-Sports-Booking-Smart-News-Media-System-Backend>

Personalized-News-Recommendation-System

This project is a Django REST Framework (DRF) backend for a personalized news recommendation system. It provides APIs for managing users, articles, user preferences, and recommendations.

<https://github.com/shahpankaj123/Personalized-News-Recommendation-System-Backend>

LLM Projects

I built a simple LangChain and LangGraph project as practice, focused on an HR hiring system. The system evaluates candidates based on their skills and experience. Using LangChain, I implemented LLM-powered reasoning for analyzing candidate information. With LangGraph, I created a structured flow to manage the hiring process, such as filtering, ranking, and recommending candidates. This project gave me hands-on experience with LLM orchestration, prompt chaining, and graph-based workflows, strengthening my understanding of AI-driven applications.

<https://github.com/shahpankaj123/Langchain-and-Langgraph>

Springboot-kafka Project

built a Spring Boot Kafka project using the Wikimedia API. The app fetches live data, produces it to Kafka, and a consumer stores it in the database. This gave me hands-on experience with real-time data streaming and Kafka integration.

<https://github.com/shahpankaj123/spring-boot-kafka-wikimedia-project>

Spring-Boot-Microservices-Project

This project demonstrates a Spring Boot application using a microservices architecture with two main services: UserService and ContactService. The services communicate with each other through an Eureka Server, which acts as a service registry. An API Gateway is used to handle external requests and route them to the appropriate services.

<https://github.com/shahpankaj123/Spring-Boot-Microservices-Project>

Travel Management System

The Travel Management System is a web-based application built with Django, Celery, and Redis, offering a comprehensive solution for managing travel-related activities within an organization. This project was developed by Anuj Bhattarai and Pankaj Shah.

<https://github.com/shahpankaj123/Travel-Management-System>

News Websites

This is content management websites enables admin to post the news and user view the news from website

<https://www.taza-khabar.epizy.com/>

food-odering-websites

This is a simple web application for food ordering, allowing users to browse menus, place orders, and make payments online. The project is built using HTML, CSS, JavaScript, and PHP for the backend.

snackswift.innityfreeapp.com

ACHIEVEMENTS

Dean's List (Pokhara University)

Awarded for outstanding academic performance and maintaining a high GPA, placing among the top students of the program.

Scholarships in Plus2 and Bachelor

Receiving a scholarship "due to the topper" means being awarded nancial aid because of having the highest academic performance in a class.

TRAINING/CERTIFICATIONS

DJANGO INTERN CERTIFICATE

2024

NyxusByte Tech

<https://github.com/shahpankaj123/My-Certicate/blob/master/PankajShahCerticate.png>

INTERN OF THE MONTH

2024

NyxusByte Tech

<https://github.com/shahpankaj123/My-Certicate/blob/master/Intern%20of%20the%20month%20Certicate.png>

LETTER OF INTERNSHIP COMPLETION

2024

NyxusByte Tech

<https://github.com/shahpankaj123/My-Certicate/blob/master/Pankaj%20Shah%20Letter%20of%20Internship%20Completion.pdf>

All Certificate of Different Stack on Udemy

2024

Udemy

This repository contains various certificates and documents related to the achievements and qualifications of Pankaj Shah. The files include certificates from different courses, internship completion letters, and resumes.

https://drive.google.com/drive/folders/1mkR3JBY_pLIqf3KHNpdU8SCBGNhw27uP?usp=sharing

AWARDS

INTERN OF THE MONTH

Itharee,Nepal

NyxusByte Tech

2024

I've been chosen as the 'Intern of the Month' at NyxusByte Tech, and as a token of appreciation, I've been gifted a reward of 5k!

Feeling incredibly grateful for the recognition and support from such an amazing team.

TOPPER IN EVERY SEMESTER OF MY CLASS

Balkumari,Nepal

Nepal College Of Information Technology

2025

I've been recognized as the top performer at NCIT and received a delightful reward of 12k! Feeling immensely grateful for this honor and the encouragement from everyone at NCIT. It's moments like these that truly make all the hard work and dedication worth it!

SKILLS

Python, Java, Data analyst, HTML,CSS,Javascript, PHP and MYSQL, Team Leadership, Django, Flask, FastAPI, Spring Boot
Microservices, PostgreSQL, MySQL, MongoDB, Machine Learning, Reacts js, LLM

LANGUAGE

English, Maithali, Nepali, Hindi

REFERENCES

Niraj Pandey - CEO

NyxusByte Tech

nyxusbyte.tech@gmail.com

Raymond Cardoza - CEO

Avarthan Innovations

raymondcardoza@live.com

Basanta singh - Module Leader

Biratnagar International College

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