

Ajay Thakur

Software Engineer

About Me

A driven individual with in-depth knowledge of languages and development tools, looking for a position at a firm focused on growth where I can use my abilities to the company's advantage while also having the opportunity to further my own skills. Looking for a challenging, growth-oriented role at a forward-thinking, innovative company where my professional abilities and unwavering commitment to success will allow me to enhance the development of both the company and myself. Dedicated student of machine learning. Aiming to enhance machine learning algorithms and models.

Experience

Navya Advisors Pvt Ltd

Software Engineer

Nov 2023 – Present

- Demonstrated proficiency in designing, developing, and maintaining robust APIs to facilitate seamless communication between different software systems. Utilized modern frameworks and best practices to ensure high performance, scalability, and security of APIs.
- Designed and implemented a scalable microservices architecture to modularize the application, improve flexibility, and enhance maintainability. Utilized principles such as loose coupling and bounded contexts to design microservices that are independently deployable and scalable.
- Successfully integrated popular Nepalese payment systems such as eSewa and Khalti into the application ecosystem, enabling users to make transactions conveniently and securely. Implemented payment gateways and ensured compliance with relevant regulations and standards.
- Proficient in containerization using Docker to encapsulate microservices and their dependencies into lightweight, portable containers. Deployed and managed microservices efficiently using Kubernetes, leveraging features like auto-scaling, load balancing, and self-healing to ensure optimal performance and availability in production environments.

SoftechPark Pvt Ltd

Associate Software Engineer

Aug 2022 – Sep2023

- Designed and implemented Python code using Django, DRF and FastAPI.
- Managed the security of the applications.
- Maintained detailed documentation around the code.

Thakur International and Investment Pvt Ltd

Python Developer

Jan 2021 – Dec 2021

- Designed and developed web pages using Django Templating Engine.
- Maintained data using PostgreSQL.
- Followed latest technology and trends.

Education

Bachelors of Engineering Information Technology

Visvesvaraya Technological University, Bangalore, India, Aug 2015 – July 2019

Contact

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Skills

 Python

 Django

 FastAPI

 Django Rest Framework

 PostgreSQL

 Tensorflow

 Pandas

 Numpy

 Matplotlib

 Sklearn

 Raspberry Pi

 Data Structures and Algorithms

Projects

Mutual Fund NIC Asia Capital

- This project is Complete Mutual Fund System for NIC Asia Capital.
My role in this project was to create RESTful API's, effective data management with PostgreSQL, containerize application with docker, manage container with Kubernetes and maintain CI/CD pipelines.
- **Features:**
Users can buy unit purchase and easy sip payment with esewa, khalti and Connect IPS.
- **Technologies Used:**
Backend: Django, Django Rest Framework
Frontend: ReactJS
Database: PostgreSQL
Version Control: Git
Microservice Communication: gRPC
PM: Jira
URL: <https://mutualfund.nicasiacapital.com/>

Kodiary Academy

- This project is basically for students to register themselves and enroll for online classes.
- My Role was in backend to create API's with Django Rest Framework.
- **Features:**
Easy Registration Process to enroll in class.
- Direct Communication with trainers if there is any queries.

Technologies Used:

- Backend: Django, Django Rest Framework
Database: PostgreSQL
Version Control: Git
URL: <https://academy.kodiary.com/>

IOT Based War Assistance Robot

- The main features of this project is to detect any metals, smoke in war zone captures the image of war zone and send the image in email to controllers.
- **Tools Used:**
Raspberry Pi
Metal Detector
Smoke Detector
Pi Camera
Language: Python

 Docker

 Kubernetes

 Version control

 Amazon Web Service

 Linux

 HTML/CSS

 Computer Vision

 Natural Language Processing

 Mathematics

 Figma

Language

English

Nepali

Hindi