

Anudit Adhikari

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Summary — Computer Engineer with 3+ years of experience specializing in Python and Django, delivering scalable, secure, and high-performance web applications. Demonstrated expertise in developing and optimizing RESTful APIs, deploying and managing solutions on AWS, and driving process efficiency through automation and best DevOps practices.

Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks & Libraries: Django, Django REST, GraphQL, Pandas, NumPy, Matplotlib, TensorFlow, PyTorch

Databases: PostgreSQL, MySQL, SQLite, Redis

APIs & Microservices: REST, SOAP, Authentication and Authorization (OAuth, JWT, CSRF)

Cloud & DevOps: AWS EC2, Docker, Git, Nginx, Gunicorn, Celery, CI/CD

Professional Experience

Pathway Technologies and Services

Jul 2022 – Current

Python Developer

- Developed and maintained scalable web applications using Python (Django and Django REST Framework) supporting growing user base without performance degradation.
- Designed, built, and optimized RESTful APIs to support front-end requirements, driving 70% faster response times via ORM and DB queries, resulting better user experience.
- Managed deployment and server management on AWS (EC2, secure VPN); implemented automated disaster recovery/backup solutions, ensuring 99% uptime.
- Engineered secure payment processing system using third-party APIs and expanding payment options for customers, fortifying data protection through OAuth and JWT, resulting in zero reported breaches.
- Implemented CI/CD pipelines with GitHub Actions, cutting deployment cycles and minimizing release-related issues, ensuring faster, more reliable rollouts.
- Led code reviews, mentored junior developers, and fostered a collaborative, high-performing engineering team.
- Troubleshoot and resolved complex production issues and coordinated cross-functional efforts with frontend/mobile teams to deliver seamless solutions reducing downtime incidents.

Education

Institute of Engineering, Pulchowk Campus

MSc. in Computer Systems and Knowledge Engineering

Pulchowk, Lalitpur

Present

Himalaya College of Engineering

Bachelors' in Computer Engineering

Chyasal, Lalitpur

2022

Projects

Tripturbo

Tech Stack: Python, Django, Django REST Framework, PostgreSQL, AWS, Redis, Celery

- **Travel Marketplace Platform:** Started and launched the travel marketplace platform with ticketing and promo/voucher code features for multiple services like Domestic Flight, Bus, Activities, Hotels and International Flights, optimizing operations and contributing to substantial business growth across Nepal.
- **Activity & Inventory Management System:** Designed and implemented an integrated system to manage activities and services from different parts of the country, improving operational efficiency and enabling the customers to book any services without hassle through the system.
- **Secure Payment Gateway Integration::** Integrated wallets and banking systems with full compliance, ensuring secure transactions with no reported breach and driving massive annual sales growth.
- **High-Availability Deployment:** Managed AWS EC2 deployments with automated disaster recovery, achieving 99% uptime and ensuring rapid recovery from incidents.
- **Performance Optimization:** Improved API response times by 70% by tuning ORM query and optimizing database, enhancing user experience and system scalability.

Other Projects

- **Image Colorization with Self Attention GANs:** Built attention-based GAN models to colorize grayscale images with high visual fidelity.
- **Standard Map Generation with GANs:** Implemented a GAN model to generate standardized maps from raw satellite imagery.
- **AI Spam Filtering for Real Estate Portal:** Created a machine learning spam classifier for real estate listings.