

Abhishek Pokhrel

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Kathmandu-16, Bagmati Province, Nepal

OBJECTIVE

Seeking a challenging position in DevOps to leverage my expertise in . Aiming to contribute to innovative projects at the intersection of Cloud and DevOps practices.

EXPERIENCE

- **Spark workshop** August 2025 - present
Backend Intern Lalitpur, Nepal
 - Developed a web application using django, drf achieving insight on industry based practices, methodologies and experiences in python and django based frameworks.
 - Implemented clustering algorithms and other college learned algorithms, enhancing problem identification and problem solving capacities in more efficient and significant ways
 - Conducted containerization and tried to host it in aws.
 - Presented findings at daily stand-ups and meetings, receiving recognitions and suggestions to improve from higher ups.

EDUCATION

- **Patan Multiple Campus,(Aff. Tribhuwan University)** April 2022 - Present
B.Sc.CSIT Kathmandu, Nepal
- **Viswa Niketan Sec. School** April 2021
Pre-University Education Kathmandu, Nepal
 - GPA: 3.35
- **Gyanodaya Sec. School** April 2018
Secondary Education Kathmandu, Nepal
 - GPA: 3.75

PROJECTS

- **Project A: Multi-VM Deployment with Vagrant (WordPress + MySQL)** November 2025
Tools: Apache, Vagrant, WordPress, MySQL
 - Installation and configuration of Apache, PHP, and WordPress.
 - Setup of Apache virtual hosting for isolated site deployment.
 - MySQL installation and secure user/database configuration.
 - Inter-VM networking using private IPs for seamless app–DB communication.
 - End-to-end validation via remote WordPress access and test blog post creation.
- **Project B: Expense Tracker (FinTrack)** Present
Tools: Django, React, Docker
 - Designed and implemented RESTful API endpoints in Django to support CRUD operations for transactions, categories and user profiles.
 - Built responsive user interfaces in React, including forms for new entries, summary dashboards, charts and filters to enable data-driven insights.
 - Integrated frontend and backend modules, handling asynchronous data fetching, state management and error-handling to deliver a seamless UX.
 - Ensured secure access by implementing user login/logout flows and role-based access controls in the backend.
 - Conducted testing of both frontend and backend modules to guarantee reliability and data correctness.
 - Documented project structure, workflows and deployment steps (via README) to facilitate future maintenance and expansion.
 - Dockerized the frontend and backend components using dockerfile and setup a docker compose file to manage the number of docker containers that must be provisioned as per the situations.
- **Project C: Travomind – AI-Powered Travel Assistant Web Application (College Project)** Present
Tools: Angular, NestJs, MongoDB
 - Developed an AI-integrated travel assistant platform designed to help users discover, plan, and manage their travel experiences efficiently. The system dynamically suggests destinations, provides itinerary recommendations, and enables real-time chatbot interaction for personalized travel guidance.
 - Integrated OpenAI GPT API for conversational recommendations and intelligent itinerary suggestions.
 - Managed MongoDB database for storing destinations, travel categories, and user preferences.
 - Built a RESTful backend API with Node.js and an MongoDB database for storing destinations, travel categories, and user preferences.
 - Deployed and maintained the application using GitHub and Vercel for version control and hosting.

SKILLS

- **Programming Languages:** Python, Django, DRF, YAML/JSON, Bash/Shell Scripting,
- **Database Systems:** MySQL, MONGODB, POSTGRESQL
- **Cloud Technologies:** AWS
- **DevOps & Version Control:** Version Control:(Git, GitHub), Monitoring & Logging:(Prometheus, Grafana), Infrastructure as Code:Terraform
- **Research Skills:** Technical Documentation Review, Problem Decomposition, Analytical Thinking