

# Aavash Gyawali — Computer Engineer

Lalitpur, Nepal

+977 9861489100 • aavashgyawali12@gmail.com  
www.aavashgyawali.com • in aavashgyawali • aavashgyawali

## Professional Summary

Experienced full-stack developer specializing in building scalable, user-centric web applications. Proficient in modern JavaScript frameworks (React, Next.js), backend technologies (Django, Node.js). Demonstrated success in delivering high-impact projects for international organizations including World Bank initiatives. Strong expertise in UI/UX design, performance optimization, and managing production environments.

## Technical Skills

**Frontend:** React.js, Tailwind CSS, ShadCN/UI, JavaScript (ES6+), HTML5, CSS3

**Backend:** Django, Node.js, Frappe/ERPNext, RESTful APIs

**Databases:** PostgreSQL, MySQL, MongoDB

**DevOps & Tools:** Docker, Nginx, Traefik, Git, Linux (Arch, Ubuntu)

**Visualization:** Leaflet.js, Chart.js, GeoJSON, Data Dashboards

**Other Skills:** SEO Optimization, Google Analytics, UI/UX Design, Agile Methodologies

**Languages:** English, Nepali (Native)

## Professional Experience

### Geofinity Solution Pvt. Ltd.

Software Developer

Baluwatar, Nepal

Sep 2024 - Nov 2025

#### Key Responsibilities & Achievements:

- Design and develop responsive, high-performance web applications with focus on exceptional user experience
- Manage end-to-end server infrastructure including deployment, monitoring, and maintenance using Linux, Docker, Nginx, and Traefik
- Implement SEO strategies and analytics integration resulting in improved site visibility and user engagement

#### Notable Projects - World Bank Initiatives:

##### Nepal Budget Analysis Platform

- Engineered an interactive data visualization web application for Nepal's national budget using React, Leaflet.js, and GeoJSON
- Implemented dynamic filtering by sector, district, and fiscal year with integrated interactive maps and charts
- Designed intuitive UI enabling policymakers and citizens to explore complex budget data effortlessly

##### DidikiAwaaz

- Developed comprehensive survey platform for educational and social research targeting rural households
- Built React-based frontend integrated with Enketo Express for seamless form submissions
- Implemented OpenRosa-compatible backend ensuring standardized, secure data collection
- Enabled offline-first architecture with automatic synchronization for low-connectivity areas
- Created interactive data dashboards for real-time visualization and reporting for researchers and policymakers
- Optimized platform architecture to handle thousands of concurrent users and large-scale datasets

### Pahadi Research LLC

Research Fellow

Remote

Dec 2023 - Feb 2024

- Completed intensive 2-month research fellowship focused on enterprise software development
- Acquired proficiency in C# programming with emphasis on unit testing and best practices
- Developed RESTful APIs and gained hands-on experience with API design patterns
- Explored Flutter framework for cross-platform mobile application development
- Applied learned technologies in practical project implementations using C#, Flutter, and MySQL

## Academic Projects

---

**Major Project: Leaf Disease Prediction System** – Developed machine learning-based solution for automated plant disease detection and classification, utilizing computer vision techniques and neural networks.

**Minor Project: AI-Powered Image Colorization** – Implemented deep learning model to automatically colorize grayscale flower images, demonstrating proficiency in image processing and neural network architectures.

## Education

---

<b>Advance College of Engineering and Management (ACEM)</b> <i>Bachelor of Engineering in Computer Engineering</i>	<b>Lalitpur, Nepal</b> 2019–2024
<b>CCRC</b> <i>Higher Secondary Education (Science)</i>	<b>Nepal</b> 2017–2019