Subodh Dhamala

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in LinkedIn   ◉◉ Portfolio

Professional Summary

Backend-focused developer specializing in scalable web applications using Node.js, Express.js, and PHP. Experienced in designing RESTful APIs, implementing authentication systems, integrating machine learning services via FastAPI, and building full-stack MERN applications. Seeking junior backend or full-stack developer roles in growth-driven engineering teams.

Technical Skills

Backend
Node.js, Express.js, PHP, FastAPI

Databases
MongoDB, MySQL, PostgreSQL

Data & Analysis
NumPy, Pandas, Matplotlib, Seaborn

Concepts
RESTful APIs, Authentication & Authorization, CRUD, MVC Architecture, Database Schema Design

Frontend
React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

Languages
JavaScript, PHP, Python, Java

Tools
Git, GitHub, Postman, Linux

Projects

Crop Disease Detection Platform
- Developed a full-stack crop disease detection web app for real-world agricultural use.
- Integrated machine learning inference service via FastAPI for image-based disease prediction.
- Designed RESTful APIs for image upload; structured MongoDB schema for users and predictions.
- Built responsive frontend with React and Tailwind CSS.

Project & Task Management System
- Built a task management platform with JWT-based authentication and role-based authorization.
- Designed scalable CRUD architecture for projects with nested task hierarchies.
- Implemented structured Express.js controllers and clean RESTful routing.
- Optimized MongoDB schema for performance and relational consistency.

Expense Tracker - Financial Management Application
- Built a secure expense manager with session-based auth and user-level data isolation.
- Designed normalized relational schema; integrated pie chart analytics for spending insights.

News Aggregator
- Aggregated live news via external APIs with async fetching and robust error handling.
- Built responsive UI with category filtering and real-time search.

Education

Bachelor of Information Technology, *Bhaktapur Multiple Campus, Nepal*   2023 – Present