DIPAK SHANKI

Web Developer

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⌨ github.com/dipak-shaaki 🌐 dipak-portfolio-sql3.vercel.app

Summary

BSc CSIT student focusing on MERN stack and full-stack development, with a strong interest in AI, Machine Learning, and Data Science. Passionate about building scalable, data-driven, and user-focused web applications using React.js, Node.js, Express.js, and MongoDB. Seeking an internship opportunity to apply my skills in real-world projects, gain industry experience, and contribute to impactful solutions.

Skills

Programming: JavaScript, Python
Web Development: React.js, Node.js, Express.js
Databases: MongoDB, PostgreSQL ,SQL
Machine Learning: NumPy, Pandas, Matplotlib
Tools & Technologies: Git, Postman, FASTAPI

Projects

1. Nepal Wildfire Watch   *Forest Fire Risk Prediction*

- Developed an AI-powered React + FastAPI platform to predict and visualize wildfire risk across Nepal.
- Trained Random Forest and Naive Bayes models using satellite and environmental datasets.
- Built an interactive React dashboard using Leaflet.js, NASA FIRMS API, and OpenWeather data.
- Designed MongoDB schema for alerts, time-series predictions, and RBAC-based admin control.
- Implemented bulk forest fire risk scanning and alert generation.

LIVE: nepal-wildfire-watch.vercel.app

2. GOLDEN PALACE   *Restaurant Reservation Site(MVP)*

- Built an MVP full-stack restaurant reservation system using React, Node.js/Express, and MongoDB.
- Customers can request table bookings through a modern, responsive UI.
- Sends automated email notifications to customers and staff (SMTP).
- Includes basic booking conflict checks, form validation, and REST APIs.
- Backend manages reservations and simple availability logic.

LIVE: mern-hotel-reservation.vercel.app

Certifications

- **React JS Certificate (2023)** — Completed a React course on components, state, hooks, and interactive UI design.
- **AI/ML Bootcamp (2024)** — Attended a hands-on ML bootcamp on supervised learning, model evaluation, and Python applications.
- **Commonwealth Bank – Data Science Virtual Program (Forage, 2025)** —Finished a virtual simulation on data management, data pipelines, anonymization, and data-driven insights.

Education

Nagarjuna College of IT   Kathmandu, Nepal
Bachelor of Science in Computer Science and Information Technology (BSc CSIT)   *2022 – Present*

Sudurpaschimanchal Academy   Dhangadhi, Nepal
Higher Secondary Education (+2 Science)   *Completed 2021*