

Risab Bhandari

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PROFESSIONAL SUMMARY

Resourceful and impact-driven full-stack developer with **4+ years of experience** building **scalable web and mobile applications** across diverse industries. Skilled in both **frontend** and **backend** technologies, with a track record of **leading technical teams, automating systems**, and turning ideas into real-world products. Adept at bridging development with user experience and organizational strategy, delivering solutions that are not just functional, but meaningful.

SKILLS

Languages: Python, C/C++, Java, JavaScript, HTML/CSS, Dart

Frameworks: React, React Native, Node.js, Express.js, FastAPI, Next.js, Bootstrap, WordPress

Developer Tools: Git, GitHub, VS Code, PyCharm, Visual Studio, Firebase

Libraries: pandas, NumPy, scikit-learn, icalendar, subprocess, os, csv

EXPERIENCE

- Team Lead | Fun Play Learn** March 2023 – March 2024
- Led a **15-member team** to deliver curiosity-based learning sessions across 85+ schools, **scaling** program reach from 4,000 to over **20,000** children nationwide.
 - Built, maintained, and scaled the organization's **frontend website** (funplaylearn.org) using **HTML, CSS, and JavaScript**. Transformed it into a **responsive internal dashboard** and **information flow system**, improving team communication, content management, and organizational efficiency.
- Technical Support Associate | Governance Automation Solutions Pvt. Ltd.** July 2022 – Jan. 2023
- **Automated** diagnostics, asset inventory, and reporting tasks using **Python**, leveraging **libraries** like **os, subprocess, and csv**, saving **10+ hours** per week in manual **IT operations**.
 - Engineered and debugged **custom Python scripts** for device configuration, system health monitoring, and local cleanup tasks.
- Software Developer Intern | Governance Automation Solutions Pvt. Ltd.** June 2022 – Dec. 2022
- Designed and implemented **responsive UI modules** using **HTML, CSS, JavaScript, Bootstrap**, and **Git** for internal administrative tools. Debugged and optimized **backend APIs** using **Node.js** and **Express.js**.
 - Co-developed a finance management system using the **MERN stack** (**MongoDB, Express.js, React, Node.js**).

PROJECTS

Paakyo Food Delivery App | React Native, Django REST Framework, PostgreSQL

- Developed a **cross-platform mobile app** using **React Native** to connect customers with home-based cooks and local restaurants, featuring dynamic menu rendering and order tracking.
- Built backend APIs in **Django REST Framework** with **PostgreSQL**, handling user roles, cart logic, dish management, and real-time order updates.
- Integrated **Firebase Authentication** for secure login and **FCM** for push notifications; utilized **Google Maps API** for geolocation, address saving, and delivery routing.

DormnetAI – Roommate Matching System | React, Node.js, PostgreSQL, Python, scikit-learn

- Built a **full-stack web application** for university dorm roommate matching, using a multi-step **React** questionnaire to gather lifestyle, academic, and behavioral preferences.
- Designed backend with **Node.js** and **Express.js** to store structured responses in **PostgreSQL**; implemented matching engine using **Python, pandas, and scikit-learn** to generate compatibility scores.
- Created an algorithm that normalizes survey data and applies **rule-based filters + ML** similarity scoring to produce optimal pairings; results rendered client-side via secure API calls.

Paa Calendar Project | Python, FastAPI, Google Calendar API, icalendar, Next.js, Tailwind CSS

- Engineered a digital calendar system integrating Nepali **Bikram Sambat** and **Newari** lunar dates into standard **.ics** files using **icalendar** and **lunar mapping logic**.
- Built a **FastAPI** backend that parses annotated lunar event data and dynamically generates downloadable calendar files for **Google** and **Apple Calendar** sync.

EDUCATION

Bachelor in Computer Science | Webster University

St. Louis, MO

- **Resident Assistant Student Leader:** Served as a **student leader** guiding residents in their transition to college life and independent adulthood. Provided emotional support, **facilitated community-building events**, and helped residents adjust to living away from home while **maintaining regular 1-on-1s and on-call emergency support**.
- Coursework: Programming I (C++), Programming II (C++), Java, Discrete Mathematics, Statistics, Data Structures, Database Management, Database Concepts, System Analysis and Design, IT Project Management, Network Principles, Social Engineering, Computer Architecture, Computer and Information Systems