

Risab Bhandari

314-3223-613 | risabbhandari@webster.edu | [linkedin.com/in/risab-bhandari](https://www.linkedin.com/in/risab-bhandari) | github.com/risabbhandari

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**