

# SARAD BABU SHRESTHA

Nepal | 9863480792 | [Gmail](#) | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## EDUCATION

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### Bachelor's in Computer Engineering

Lalitpur Engineering College | Lalitpur, Nepal  
2020 – 2025

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, HTML, CSS, PHP, C++

**Frameworks & Libraries:** React Native, React.js, Node.js, Express.js

**Databases:** MongoDB, MY SQL, PostgreSQL

**Tools:** Git, Figma, VS Code

## PROJECTS

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### PulsePlanner – Fitness Tracking App - (React Native, Expo, Context API)

- Built a mobile app with dynamic workout routines, exercise tracking, and timers.
- Implemented dark mode and global state management using React Context API.
- Designed interactive UI/UX with smooth navigation across multiple screens.

### We Park – AI Parking Management System (Mobile Client) - React Native, OSM, Khalti

- Developed a React Native mobile app allowing users to view nearby parking spaces with OpenStreetMap (OSM) integration.
- Implemented Khalti payment gateway for seamless parking reservations and auto-generated digital slips.
- Focused on intuitive UI/UX for smooth real-time booking and location tracking.

### Slingshot – Company Website - React, TypeScript, Tailwind CSS, Framer Motion, Freeform.io

- Built a responsive startup landing website using React and TypeScript with a modern, gradient-based design.
- Added smooth animations and interactive visuals using Framer Motion for enhanced user engagement.
- Integrated Freeform.io for seamless email and form submissions across devices.

### PixelPulse Creative – Company Website

- Designed and developed a dynamic company website for a creative agency.
- Focused on clean UI/UX with responsive layout using React, Tailwind, and Framer Motion.
- Implemented section-based navigation and animations for an engaging experience.

### Sign Language Recognition System – Major Project (Team Project)

- Developed a Sign Language Recognition System comparing CNN and ViT models.
- Used MediaPipe for hand tracking and OpenCV for image processing.
- Collected and labeled hand gesture data mapped to Devanagari alphabets.
- Converted recognized text to speech for better accessibility using Vocoder.

### We Park – AI Parking Management System (Team Project)

- Developed a parking management system integrating object detection and location tracking.
- Utilized the MERN stack for web development and Flutter for the mobile app.
- Implemented YOLO and OCR technologies for license plate detection and character recognition.

### Vision Board – Project Management App

- Developed a feature-rich project management application to streamline task organization and collaboration.
- Built using React and TypeScript, ensuring type safety and scalable architecture.
- Implemented state management with Redux for efficient data handling and global state synchronization.
- Enhanced UI/UX with ShadCN components, providing a modern and intuitive interface.
- Integrated drag-and-drop functionality for seamless task updates and workflow management.

## Experience

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### Full Stack Developer

PexelPulse Creative | Remote | 2025 – Present

- Collaborating on end-to-end development of client websites, from UI/UX design to deployment.
- Building responsive and animated interfaces using React.js and Tailwind CSS.
- Developing backend APIs and integrating them using Node.js and Express.js.
- Ensuring performance optimization, responsiveness, and cross-browser compatibility.
- Mentored frontend interns by guiding them through code structure, best practices, and hands-on project involvement.

### Frontend Intern

Proshore(Nov 2024 - Feb 2025)

- Developed proficiency in React with TypeScript, focusing on best practices and efficient library usage.
- Gained hands-on experience with React routing, hooks, state management (Redux), API integration, and handling HTTP requests.
- Built a fully functional project management web application, implementing key features for task tracking and collaboration.
- Enhanced team collaboration skills by working in a dynamic environment, participating in code reviews, and following Agile methodologies.

## WORKSHOPS & TRAININGS

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### 60 days challenge- LeapFrog (2024)

- Completed a 60-day challenge focused on React.js development, building projects like a to-do list, form validation, and user cards.
- Gained in-depth experience with React routing, hooks, and state management.
- Developed custom hooks to optimize component reusability and functionality.

### MERN Training– Lalitpur Engineering College (2022)

- Built full-stack apps with MongoDB, Express, React, and [Node.js](#)
- Created REST APIs and used React hooks and routing
- Gained experience with Git and frontend-backend integration

### Front-End Development Bootcamp – Code for Change (2022)

- Completed a 3-day intensive bootcamp with a front-end project submission.

## INVOLVEMENT & LEADERSHIP

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- Campus Representative: Hult Prize IOE (2022)
- Core Member/Treasurer: Budhanilkantha Youth Council
- Member: Leo Club

## AWARDS & Certifications

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- Certified AWS Cloud Foundation
- Certified AWS Cloud Practitioner from BroadwayInfosys

## PARTICIPATION

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- Orbit Engineering Hacks(2024)
- Poster Presentation at “International Conference on Engineering Technology & Infrastructure Development (2024)