

# Ashmina Rai

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📍 Kathmandu, Nepal

in Ashmina Rai

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## SUMMARY

A highly motivated and skilled BSc. Computing graduate with a strong foundation in computer science principles. I specialize in React and Front end development. I am constantly seeking to expand my knowledge and stay up-to-date with the latest technologies in the field. I pride myself on my ability to learn quickly and adapt to new challenges, making me an asset to any team and pride myself on my expertise in a variety of areas, including time management, software development, following good code architecture and SOLID principles, Git version control, frontend, SQL, and good communication skills. In other words, I'm a jack of all trades (but hopefully not a master of none). Whether I'm tackling a new project or solving a complex problem, I bring a strong set of skills and a logical mindset to the table. And if that wasn't enough, I'm also a pretty good multitasker - I just don't like to juggle while I'm coding.

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## SKILLS

**PROGRAMMING/MARKUP LANGUAGES:** React JS, Node JS, HTML, CSS, Javascript, Tailwind CSS, Flutter, & Python

**SOFT SKILLS:** Teamwork, Positive Attitude, Attention to details, Communication, Adaptability

**DATABASE:** MYSQL, MongoDB, Oracle Database

**VERSION CONTROL TOOL:** Github

**DESIGN TOOLS:** Adobe Creative Suite(Photoshop, Illustrator, Indesign), Figma, Canva

**HOBBIES:** Art, Music, Poetry, Dance, Photography

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## EXPERIENCE

### **MERN stack developer | Code In Nepal | Nepal | October 2023 - Present**

- Working as a versatile web stack developer with expertise in front-end, back-end, and full-stack web development, skilled in creating high-quality web solutions.
- Committed to delivering exceptional web solutions and contributing to the growth and success of Code In Nepal.
- Working closely with experienced developers, consistently meeting expectations and delivering high-quality work.
- Proven success in a dual role as a hiring manager, showcasing effective communication and organizational skills in overseeing the intern recruitment process while providing valuable support to the company.

### **Junior Frontend Developer Intern | Sajilo Software Solution Pvt.ltd | Nepal | July 2021 - September 2021**

- Developed a range of applications, including e-commerce using multiple cross platform technologies.
- Worked closely with experienced developers, consistently meeting expectations and delivering high-quality work.
- Contributed to the design and documentation of user interfaces for various projects.
- Contributed to the quality assurance testing process to ensure the delivery of a high-quality product.

### **Web Design and Web development | Cubical Institute | Nepal | Feb 2021 - April 2021**

- Studied fundamental web development technologies, including HTML, CSS, and JavaScript, establishing a solid grasp of front-end web development essentials.
- Applied theoretical knowledge to real-world scenarios by independently developing several websites. This hands-on experience allowed me to gain a deeper understanding of concepts like margin and padding while honing my web development skills.
- Designed and developed a functional to-do list project, demonstrating proficiency in front-end web development.
- Developed my first portfolio

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## EDUCATION

### **Itahari International College | 2019-2022 | Morang, Nepal**

BSc (Hons) Computing | First Class Honors

Highlighted Modules: Computer Hardware and Software Architectures, Software Engineering, Professional Issues, Ethics and Computer Law, Advanced Database Systems Development, Artificial Intelligence, Advanced Programming Technologies.

### **Vishwa Adarsha College | 2017-2019 | Itahari, Nepal**

Science (Mathematics + Computer Science)

### **Kasturi Secondary English Boarding School | 2005 -2017 | Itahari, Nepal**

Secondary Education Examination

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## Achievements

### **Advanced React (2023)**

*Authorized by Meta and offered through Coursera*

Achieved certification as a Meta Android Developer with a specialization in Advanced React..

### **React Basics (2023)**

*Authorized by Meta and offered through Coursera*

Achieved certification as a Meta Android Developer with a specialization in React Basics.

### **Hult prize at IIC on campus Event (2021)**

*Authorized by Hult Prize on Campus Event*

Certification of participation

### **Britain Fair Fusion Dance Competition (2019)**

*Secured first place, showcasing exceptional talent, dedication, and performance skills.*

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## PROJECTS (GitHub link: <https://github.com/ashminarai>)

### **1. Restaurant Management System (Oct - Present) | ReactJS | MongoDB | NodeJS**

This system optimizes restaurant operations by ensuring real-time inventory control, efficient staff management, and streamlined asset tracking, contributing to overall operational excellence.

- Developed a comprehensive restaurant management system focusing on inventory, employee, and asset management for operational efficiency.
- Designed an automated inventory module for real-time stock tracking during sales and kitchen activities.
- Integrated an employee system for streamlined staff management and payroll processing.
- Established asset management to simplify tracking and maintenance of restaurant assets.
- Implemented loss prevention features with automated tracking and reporting.
- Created a real-time monitoring system for instant decision-making after sales or kitchen activities.

## 2. Music player (2023-Oct) | ReactJS

A simple music player application that allows users to play, pause, and control the volume of songs effortlessly. It also features a robust search functionality to quickly find and queue up tracks from a vast music library. Moreover, users can access their personalized user profiles, enhancing their music experience.

- Implemented responsive and intuitive user interface for seamless navigation and control.
- Integrated audio playback functionality with play, pause, and volume adjustment features.
- Designed and implemented a dynamic search feature for efficient song discovery.
- Implemented user profile management, enhancing personalization and user engagement.
- Demonstrated problem-solving skills in resolving technical challenges throughout development.

Demo Link: [music-player-chi-five.vercel.app](https://music-player-chi-five.vercel.app)

## 3. Flappy bird game (2023-Oct) | ReactJS

A simplified version of the classic Flappy Bird game developed using React and styled-components. Flappy Bird is a side-scrolling game where the player controls a bird, attempting to fly through a series of green pipes without hitting them.

- Developed an engaging 2D game in React using Styled Components, featuring smooth physics simulation, dynamic obstacle generation, collision detection, and responsive design.
- Managed game state, scored tracking, and UI components with styled styling.
- Utilized images for graphics, making the game visually appealing."

Demo Link: [flappybird-eight.vercel.app](https://flappybird-eight.vercel.app)

## 4. CV generator (2023- Ongoing) | ReactJS

A replica of cv maker developed using ReactJS where users can effortlessly create their CVs.

- Developed an intuitive and user-friendly interface for creating professional CVs easily.
- Offers a variety of professionally designed CV templates to choose from.
- Enabled users to edit and organize different sections of their CVs, such as contact information, work experience, education, skills, and more.
- Supported the addition of rich content, including text, bullet points, headings, and lists.
- Provided the option to save CVs online, ensuring accessibility from anywhere and on any device.
- Provided suggestions and tips for optimizing CVs with relevant keywords for job applications.

Demo Link: [cv-generator-orcin.vercel.app](https://cv-generator-orcin.vercel.app)

## 5. Guess anime character | (Next JS, Redux, & Tailwind CSS)

Developed an engaging anime character guessing game where users are presented with zoomed-in character images and challenged to guess the character's name. The game boasts more than levels 30, with ongoing updates planned. This project offers an enjoyable experience for anime enthusiasts, testing their character recognition skills while providing entertainment and challenge.

- Uses Next JS 13 API Routes.
- Coin System for Gamification.
- Provides guides for new users.
- Hint Feature with Coin Cost.
- Responsive Design for Multiple Devices.
- Enjoyable Pastime for Anime Fans.

Demo Link: <https://guess-anime-character-theta.vercel.app>

## 6. Real Estate App | (ReactJS, Tailwind CSS, & Firebase)

Built a clone of Realtor App developed using ReactJS and Tailwind CSS along with Firebase's real-time database. This application provides users with a seamless experience for browsing, searching, and listing real estate properties.

- Implemented a robust property listing system displaying property details like type, price, and images.
- Users can create an account via gmail account.
- Implemented route guard.
- Enables users to save favorite properties for future reference.
- Users wanting to sell or rent their property can post its details.
- Ensured the app's optimal performance on various devices, including desktops and mobile phones.

## 7. Millionaire Quiz | React JS |2023-July

A millionaire quiz application built using ReactJS. It allows users to participate in a trivia game where they can answer multiple-choice questions and try to earn as much virtual money as possible. The application features a timer, a money pyramid displaying the prize amounts, and a start screen where users can enter their names to begin the game.

- Question rendering based on the current questionNumber.
- Presentation of answer choices to the player.
- Integration of audio effects for game ambiance and feedback.
- User interaction through click events on answer choices.
- Visual highlighting of selected answers and differentiation between correct and wrong answers.
- Timed animations to display the result and transition to the next question.

Demo Link: [millionaire-quiz.vercel.app](https://millionaire-quiz.vercel.app)

## 8. Weather forecast application | React JS |2023-July

A Simple weather forecast app using ReactJS that shows the temperature of different parts of the country.

- Integrated the OpenWeatherMap API for fetching weather data, demonstrating proficiency in API usage.
- The app fetches and displays weather data for a specified location, including temperature.
- Provides a default location (Dharan) for initial weather data display, enhancing user experience.
- Allows users to search for weather information in their preferred locations, making the app versatile.
- Implements error handling to gracefully handle scenarios when a location is not found or API-related issues occur.

## 9. Chat application | Node JS |2023-July

A realtime chat application built using NodeJS and SocketIO.

- The application enables users to exchange messages in real-time, creating a seamless and interactive chatting experience.
- Implements user authentication to ensure that only registered users can access and participate in the chat.
- Provides the ability to create and join multiple chat rooms, allowing users to engage in discussions on different topics or with distinct groups of people.
- Allows users to send group messages to individuals, ensuring privacy and one-on-many communication.
- Implements typing indicators to inform users when someone is currently composing a message within a chat room.
- Allows users to know if someone has joined or left the conversation.

## 10. Beginners (Final Year Project) | React JS | July 2021 - April 2022

A web application named as a beginners designed and developed for people to find or post the suitable jobs and internships easily with their preferred locations and suited jobs. My contributions included the overall development of this website, implementing new features, fixing bugs, and optimizing app performance.

- Developed a comprehensive web platform facilitating the interaction between job seekers and employers.
  - Key features include user profile creation, job and internship listings, advanced search capabilities, employer reviews, real-time notifications, company profiles, resume uploading, and an admin panel for efficient management.
  - The application prioritizes user experience, performance, and accessibility, catering to the needs of job seekers and employers alike.
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## References

### Rakish Raut

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