

Amrit Acharya

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Summary

Skilled software developer with expertise in a diverse range of technologies, including React.js, Next.js, Django, and Node.js. Proficient in crafting dynamic and responsive web applications, leveraging React.js and Next.js to deliver intuitive user interfaces with seamless navigation. Experienced in backend development using Django and Node.js, with the ability to build robust APIs and scalable server-side logic.

Beyond web development, I am an AI and Machine Learning enthusiast, deeply interested in Large Language Models (LLMs), AI-driven automation, and intelligent systems. With a strong foundation in software engineering principles and AI technologies, I am passionate about driving innovation and exploring how AI can enhance user experiences and optimize complex processes.

I excel in taking projects from conception to implementation, delivering high-quality, scalable solutions that meet and exceed client expectations while integrating the latest advancements in AI and software development.

Education

BE **Pokhara Engineering College(Pokhara University)**, Computer Engineering Dec 2017 – Aug 2022

- GPA: 3.69/4.0
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, DBMS, OS, OOSE, Computer Network, AI, Cloud Computing, NLP,

Experience

RKD Holdings, Frontend Intern Kathmandu, Nepal
June 2022 – Nov 2022


- As a front-end developer, I specialized in crafting visually appealing web page layouts using a combination of HTML, CSS, and JavaScript, with a particular focus on Vue.js to introduce dynamic interactions. My expertise extended to seamlessly integrating APIs to infuse data-driven functionality, empowering the creation of a robust Quality Management System (QMS). This involved leveraging JavaScript's asynchronous capabilities to ensure smooth and responsive user experiences while handling dynamic content
rkdholdings.com.np/ 🌐

Bizbazar Ltd, Full stack developer Kathmandu, Nepal
Nov 2022 – June 2024

- As a Full Stack Developer in a fast-paced e-commerce environment, I played a key role in designing, developing, and deploying both front-end and back-end systems. My expertise in **React** and **Next.js** allowed me to build responsive, dynamic user interfaces that enhanced customer experience and streamlined the buying process.
- On the back end, I utilized **Node.js** and **Django** to manage APIs, handle server-side logic, and interact with databases. I designed and maintained robust RESTful APIs that ensured seamless integration between the front-end and back-end systems.
- For infrastructure, I leveraged **Docker** to containerize applications, which improved deployment speed and consistency across multiple environments. I also worked with **shared hosting platforms** to deploy and scale web applications, ensuring optimal performance for high-traffic sites.
bizbazar.com.np/ 🌐

CEMC(Crystal Engineering and Management Consultant), Full stack developer


Kathmandu, Nepal
Nov 2024 – To Date

- I am currently working as a **Full-Stack Developer**, contributing to projects like **NVQS ERP System** and **BigMart ERP**, where I develop backend logic and implement it on the frontend. I work with **React** for the frontend, **Spring Boot, Flask, and Node.js** for the backend, and databases like **MySQL, PostgreSQL, and MongoDB**.
- I am actively involved in automating business operations through ERP systems, streamlining daily workflows, reducing manual effort, and enhancing overall efficiency for both companies.
- One of my key contributions to the **NVQS ERP System** is the **Online Assessment Exam**, which simplifies objective question evaluations and significantly improves the examination process.
- The software is currently in the **implementation phase**, and the companies have provided positive feedback, recognizing how it has improved their workflow and operational efficiency.
cemc.com.np/ 

Projects


CS-Cart Vendor Panel


- Employed the dynamic combination of React.js and the Ant Design (antd) UI library to fashion a bespoke vendor panel within the CS-Cart framework, revolutionizing user interaction and functionality. Harnessing the versatility of React.js alongside the comprehensive components provided by Ant Design, I meticulously crafted a highly tailored interface tailored to the unique needs of vendors. This collaboration enabled the seamless integration of advanced features and intuitive navigation, empowering vendors with unprecedented control and efficiency in managing their operations. The resulting vendor panel not only boasted a sleek and modern design but also offered a rich array of interactive elements, setting a new standard for usability and user satisfaction within the CS-Cart ecosystem.

github.com/Amritach222/BizbazarVendor 

Website builder


- In this multifaceted project, I spearheaded both the frontend and backend development, showcasing my expertise in React.js with TypeScript for the frontend and Django for the backend.
- For the frontend, I meticulously crafted a dynamic and user-friendly interface using React.js with TypeScript, leveraging its robust component-based architecture to create modular, reusable components. This approach not only ensured maintainability but also facilitated the development of a highly responsive and interactive website. By harnessing the power of TypeScript, I enforced strict type-checking to enhance code quality and prevent potential bugs, thereby ensuring a smoother development process.
- On the backend, I orchestrated the development of a powerful and scalable infrastructure using Django, a renowned Python framework. With Django's comprehensive set of tools and libraries, I constructed a secure and efficient backend system capable of handling complex business logic and seamless data management. Additionally, I implemented an admin panel within Django, empowering users to effortlessly configure their website themes and settings. This admin panel provided a centralized interface for users to manage various aspects of their website, streamlining the customization process and enhancing user experience.
- Overall, my holistic approach to development encompassed both frontend and backend aspects, resulting in a cohesive and robust solution that met the project's requirements with precision and efficiency.
- Tools Used: TypeScript, Python, Django, ReactJS., Antd

github.com/Amritach222/ShahakariBuilder 


- Developer guide: <https://docs.google.com/document/d/1465EsLqhsY-emJDEHU4gtfCF8TKQXBdEyzaypGyLvWY/edit> 


PSMS(Promoter share management system)

github.com/psms-new/portal 

- Crafted a sophisticated portal website catering specifically to promoter shareholders, offering seamless management and transfer of their shares, all powered by the dynamic capabilities of React.js. With meticulous attention to detail, I designed and developed an intuitive user interface that facilitates effortless navigation and streamlines the share management process. Leveraging the flexibility and versatility of React.js, I implemented robust functionalities to enable shareholders to efficiently view, manage, and transfer their shares with ease. This bespoke solution not only enhances shareholder experience but also exemplifies a commitment to innovation and excellence in shareholder engagement.
- Tools Used: JavaScript, Tailwind-CSS, ReactJS, Django, Neural network
- Site link: portal.psms.rkdholdings.com.np 

Inventory management system

github.com/Amritach222/VisionAdmin 

- Developed a cutting-edge stock management system tailored to efficiently oversee store inventory, seamlessly integrating a powerful backend in Node.js with MongoDB for data storage and retrieval. Leveraging the robust capabilities of Node.js and the flexibility of MongoDB, I engineered a scalable and responsive backend infrastructure capable of handling vast quantities of stock data with ease.
- Complementing the backend, the frontend was meticulously crafted using Next.js 12, harnessing its latest features to deliver a modern and immersive user experience. By leveraging Next.js's enhanced performance and server-side rendering capabilities, I ensured swift loading times and seamless navigation, empowering users to effortlessly interact with the system.
- This holistic approach to development resulted in a comprehensive stock management solution that not only meets the complex needs of modern stores but also sets a new standard for efficiency and reliability in inventory management.
- Tools Used: JavaScript, TypeScript, MaterialUI, NextJs, NodeJS, MongoDB, Mongoose, ExpressJs
- Site link: admin.visioncomputersolution.com.np 

Technologies

Languages: SQL, JavaScript, TypeScript, Python, HTML, CSS

Technologies: NodeJs, Django, ReactJs, NextJs, MySQL, PostgreSQL, MongoDB, ExpressJs, MaterialUI, BootStrap, TailwindCss, Antd, NextUI, Docker, Git

Soft Skills

- Teamwork
- Problem-solving
- Communication
- Time-management