

Rabin Patel

Frontend Developer | Web App Development | Python | Machine Learning

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Frontend Developer with 2+ years experience building scalable web applications (WordPress, React.js, Node.js, Python, MySQL). Skilled in UI optimization, Debugging, API integration, and performance tuning. Currently pursuing M.Sc. in IT (AI & Data Analytics). Passionate about connecting ideas, people, and technologies. I enjoy the process of debugging and refining code until it does exactly what it's supposed to.

Primary stack : WordPress, React.js, JavaScript, Git, Node.js, Python, NumPy, Pandas, Docker, SQL, MongoDB

Work History

10/2022 - 09/2024 Frontend Developer@ [Web Experts Nepal](#)

- **Developed** and deployed full-stack web applications using **HTML5, CSS3, SASS, JavaScript (ES6+), Node.js, and MySQL**, delivering scalable and maintainable solutions.
- **Built reusable UI components** and modular code architecture, reducing future development time by **40%** and improving maintainability.
- **Integrated RESTful APIs** for dynamic data fetching and real-time updates, enhancing application interactivity and reducing server response latency by **25%**.
- **Applied JavaScript concepts** such as closures, scope, and prototypes to design efficient, reusable functions, reducing manual processing time by **70%**.
- Used **GreenSock Animation Platform (GSAP)** in multiple projects to create fluid, interactive, and performance-optimized animations, enhancing user engagement and improving interface responsiveness.
- **Implemented responsive design principles** and cross-browser compatibility testing, ensuring seamless performance across devices and platforms.
- Optimized **code splitting** and implemented **lazy loading** strategies, reducing initial load time by **35%** and improving overall application performance and user experience.
- Integrated **GitLab** for version control and team collaboration, streamlining code review and **CI/CD** workflows.
- **Collaborated in Agile/Scrum teams**, participating in sprint planning, code reviews, and continuous integration workflows using Git and GitHub.

04/2020 - 12/2024 Technical Official@ [Nepal Triathlon Association \(Event-based, part-time\)](#)

- **Collaborated** with race directors, officials, and 50+ volunteer team members to **plan, coordinate, and execute logistics** for triathlon events with **50+ athletes**, achieving 100% on-time starts and zero major operational issues.
- **Directed and managed** core aspects of triathlon competitions, including course setup, athlete registration, timing coordination, and enforcement of competition rules.
- **Led cross-functional teams** and resolved on-the-spot challenges in **high-pressure, fast-paced environments**, maintaining event integrity, safety standards, and participant satisfaction.

Education

04/2025 - Present Master of Science in Information Technology - AI and Data Analytics

@ Mediadesign Hochschule, Berlin
Expected to graduate on **August, 2025**

02/2019 - 08/2022 B.Sc. Computer Science
@ Herald College Kathmandu, Kathmandu

Language Proficiency

English : **C1** German : **A1** Hindi : **Advanced** Mother Tongue : **Nepali**

Projects

Web Applications	Built multiple responsive web applications using HTML5, CSS, SASS, JavaScript, React, Node.js, and MySQL , incorporating GreenSock Animation Platform (GSAP) animations to improve user engagement by 25% and boost interface responsiveness.
Computer Vision	Built an object detection system with YOLOv8 (PyTorch, NumPy) to track multiple objects in images. Used pretrained datasets with transfer learning, boosting accuracy and reducing false positives, and evaluated with mAP, precision, recall, and F1-score for real-world readiness.
AI-Powered Planner Application	Designed a task management app from scratch for the University, gathering requirements through 10+ stakeholder interviews . Integrated an AI recommendation system (+30% scheduling efficiency) and built an analytics dashboard that cut reporting time by 40% , improving usability and productivity.