

Pratham Rana Magar

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SUMMARY

Tech-savvy QA specialist with a passion for problem-solving and continuous learning. Applies analytical thinking and collaborative skills to implement effective testing strategies. Excels at translating technical knowledge into practical quality solutions while adapting to new challenges.

SKILLS

Testing Skills: Manual Testing, Regression Testing, Functional Testing, Non-Functional Testing, Writing Test Cases.

Tools: Grafana k6, JMeter, Postman, GitHub, Jira, Firebase

Languages: Python, JavaScript HTML, CSS, MySQL

EXPERIENCE

Research and Innovation Unit (RIU) | Web Developer Intern Kalanki, Kathmandu | 01/2025 – 08/2025

- Developed an AI-driven Student Engagement System using Ollama 3.3, capable of generating personalized career roadmaps from student CVs, integrating a chatbot and job search functionality.
- Also contributed to functional testing and non-Functional testing of web components using manual methods and Postman.
- Modernized RIU's website with responsive design, which led to a 33% increase in user engagement.

EDUCATION

National College of Computer Studies Kathmandu, Nepal

Bachelor in Information Management 2021-2025

Relevant Coursework: Programming Fundamental, Computer Network, Object Oriented Database Management System, Data Structure and Algorithm, Web Technology, IT ethics and Cybersecurity, Artificial Intelligence, Software Project Management, Software Engineering.

PROJECTS

Automated Testing for cheers.com.np | JavaScript, Playwright

- Designed and implemented automated tests to cover critical user actions, including login, product search, adding products to the cart, removing products, deleting products, and logging out.
- Performed manual testing to identify edge cases, UI inconsistencies, and user experience issues not covered by automation.

Sewa Sathi | React.js, Node.js, Firebase

- Developed a real-time service marketplace connecting service seekers with providers, featuring offer request, acceptance/rejection flow, and commission-based payment system.
- Developed service marketplace with end-to-end testing of payment flows (E-Sewa API) and real-time Firebase updates.
- Conducted API testing using Postman and load testing using K6, verifying payment endpoints and ensuring system stability under 500+ concurrent users with a 99% success rate.

Techiva Website | PHP, JavaScript, MySQL, Bootstrap, HTML, CSS

- Developed a fully responsive e-commerce website for Techiva as a part of summer project.
- Implemented Sales Tracking and Stock Tracking.
- Integrated essential e-commerce functionalities like product catalog, shopping cart, and order management

Time 2 Travel | PHP, JavaScript

Presented at [NCCS Hackathon Plus-2024]

- AI-powered travel planner that recommends destinations based on budget, group size, and preferences, with built-in social features for user interaction.
- Integrated social features to enable user interaction, collaboration, and shared itinerary planning.
- Focused on enhancing personalization and user experience through intelligent recommendations.