

PUKAR KHANAL

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SUMMARY

Results-driven Software Engineer with 2+ years of experience in full-stack development. Specialised in Next.js, Rust, and Python, with expertise in building scalable applications, RESTful APIs, and responsive interfaces. Proven ability to enhance performance and collaborate in agile teams.

EXPERIENCE

Software Engineer

2024-06 - Present

Brandbuilder Pvt. Ltd • Pokhara, Gandaki

- Built scalable backend solutions for inhouse projects like RebuzzAI, CV-AI using Fast API, Actix Web
- Designed and Developed the UI for in house projects and some international clients using NextJS and React
- Handled deployment on DigitalOcean, managing server configurations, application hosting, and performance optimization. Used SSH for secure server access, PM2 for process management, Nginx for reverse proxy setup, and systemd for service automation, ensuring reliable uptime and efficient resource management.
- Mentored several interns, providing guidance on software development best practices, code reviews, and project management. Helped them improve their technical skills in Rust, JavaScript, and backend development while fostering problem-solving and collaboration.

Software Engineer

2024-07 - Present

ChessDream • Pokhara, Gandaki

- Built a scalable real world product used by 100K users as of June 2025. Used Next JS, TailwindCSS and Shad cn for frontend ensuring excellent user experience and responsiveness.
- Worked with server functions, MongoDB, and Prisma ORM to design and optimize database interactions, ensuring efficient data retrieval and seamless backend performance for web applications. Implemented API endpoints, improved query efficiency, and maintained data integrity.
- Worked on the marketing side. Analysed user behaviours, feedbacks, and monitored traffic in Google Analytics. Used Google Search Console to rank top for keywords: ChessDream, Chess
Published seven youtube videos to attract organic traffic.
- Dockerised and deployed three microservices in DigitalOcean and AWS for online games feature and chess analysis feature.

Python Instructor

2025-02 - Present

MindCraft Academy • Pokhara, Gandaki

- Taught Python to several enthusiasts, covering fundamental and advanced concepts, including data structures, algorithms, and real-world applications. Designed engaging lessons, provided hands-on coding exercises, and guided learners through debugging and problem-solving.

EDUCATION

Higher Secondary

2022-09 - 2024-05

SOS Hermann Gmeiner School Gandaki • Pokhara, Gandaki

GPA: 3.33/4.0

- Studied Physics, Chemistry, Biology, and Mathematics, developing strong analytical, problem-solving, and logical reasoning skills. Gained a solid foundation in scientific principles, quantitative analysis, and critical thinking.
- Engaged in a variety of extracurricular activities, demonstrating teamwork, leadership, and commitment beyond academic responsibilities.

SKILLS

JavaScript • TypeScript • React • Python • AWS • Docker • MongoDB • PostgreSQL • CI/CD • Agile Methodologies • Rust • FullStack Development • Product Engineering • Websockets • PM2 • Systemd • Langchain • Pydantic • FastAPI • DSA

PROJECTS

Evently

Technologies: Next.js, Stripe, Webhooks, MongoDB, React, Tailwind CSS event.chessdream.org

- Developed Evently, a platform for creating and managing events with ticket sales. Integrated Stripe for payments and Webhooks for real-time updates. Built with Next.js for optimal performance and a responsive UI using React and Tailwind CSS.

Paradiso, a frontend project.

Technologies: NextJS, MongoDB, CSS paradiso.chessdream.org

- Built Paradiso, a visually stunning restaurant website featuring a 3D menu book for an immersive experience. Developed the site using Next.js for performance and scalability, MongoDB for handling reservations, and Tailwind CSS for a modern, responsive UI.

PARTICIPATION

- Got selected as provincial startup in ICT Awards 2024. Attended Bootcamp Session, Startup & Idea Fest 2024, Industry Visit to Cedar Gate Technologies and F1 soft. Got to the finals and attended the main event at Hyatt Regency Kathmandu.
- Participated in Gandaki IT mahotshab in 2081, for my AI exam preparation project. Project is not listed above because I used fine tuned ChatGPT-4o-mini model API.