

Chholok Dong Rai

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SUMMARY

Results-driven Software Developer with 2+ years of experience building scalable web and mobile applications. Skilled in full-stack development, cloud infrastructure, and GIS integration, with a proven track record of leading teams and delivering high-impact projects. Passionate about leveraging AI/ML and generative tools to solve real-world problems and drive innovation.

WORK EXPERIENCE

PATHWAY TECHNOLOGIES

Thapathali, Kathmandu

Fullstack Developer

Apr 2023 – May 2025

- Led a team of five developers to redesign and refactor the codebase as well as the user interface
- Boosted sales and revenue by 45% by integrating Google Analytics and Meta events to track sales and optimize facebook ad campaigns.
- Collaborated with BugV to identify and resolve critical information security and payment safety issues affecting users across various company projects.

LEAPFROG TECHNOLOGY

Dillibazar, Kathmandu

Software Developer Intern

Sep 2022 – Mar 2023

- Gained hands-on experience with various frontend and backend technologies and their real-world applications.
- Learned about testing and optimizing applications for better performance and reliability.

PROJECTS

TRIP TURBO - (Lead Frontend Developer / 2023 - 2025)

Live Preview : [Website](#) | [Android](#) | [ios](#)

- Implemented and optimized SEO into SPA architecture to improve google search index and rankings by 90% and reduced the initial page load time by 80%.
- Integrated different payment methods for both domestic and international payments through cards, wallets and banks such as NPS, ConnectIPS, HBL to raise sales and revenues by 65%

GEOKRISHI - (Fullstack Developer / 2024 - 2025)

Live Preview : [Android](#) | [ios](#)

- Integrated GIS layers with legacy systems, reducing data redundancy by 30% and improving spatial query performance.
- Engaged in migrating the codebase from legacy systems, improving maintainability and performance.

USAID BIODIVERSITY - (Fullstack Developer / 2023 - 2024)

- Involved in the development and completion of various modules, including wetlands, forests and floras.
- Developed interactive GIS dashboards, increasing environmental data accessibility for decision-makers by 40%.

EDUCATION

WESTERN SYDNEY UNIVERSITY

Master of Artificial Intelligence (Major in Data Analytics)

Parramatta, NSW

2025 - Ongoing

MADAN BHANDARI MEMORIAL COLLEGE

Bachelor of Computer Science and Information Technology

Bijulibazar, Kathmandu

2019 - 2023

TECHNICAL SKILLS & ADDITIONALS

Programming Languages: Python, JavaScript, TypeScript, C#, C++

Frontend: React, Vue, Next.js, Angular, SvelteKit, Three.js, Ionic, React Native

Backend: Django, Node , Flask, FastAPI

Databases & Storage: PostgreSQL, MySQL, MongoDB, Redis, AWS S3

Version Control/Deployment: Git (Github actions), Linux, Docker, AWS(EC2, Lambda, ECS, ALB), Kubernetes

ML & NLP: NumPy, Pandas, PyTorch, TensorFlow, scikit-learn, Matplotlib, OpenCV

Generative AI & LLM Tools: LangChain, RAG, Vector Database

Certifications & Courses: [DSA](#), [JS](#), [AWS](#), [AWS Lambda](#)