

Bibek Poudel
Full Stack Developer | AI/ML Engineer | Software Engineer | Instructor
Artesia, CA, USA | Open to Relocation
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PROFESSIONAL SUMMARY

I'm a Full Stack Developer and AI/ML Engineer with four years of experience delivering 40+ mobile/web apps for over millions of users. I specialize in cross-platform development, backend systems, and LLM fine-tuning.

TECHNICAL SKILLS

Languages: Python, Java, PHP, SQL, Dart, JavaScript, TypeScript, HTML5, CSS3

Frameworks: Flutter, Django, React, GraphQL, TensorFlow, PyTorch, Spark

AI/ML: LLM Fine-Tuning, NLP, Prompt Engineering, Hugging Face, CNN/RNN

Cloud/DevOps: GCP, AWS, Firebase, Supabase, Docker, CI/CD, REST APIs, Agile

Databases: MySQL, PostgreSQL, Oracle, Firebase

Tools: Google Vision API, Git, Postman, Ms Suites, LLMs

PROJECTS

- Business Agentic AI [WIP]: Developing an LLM-powered agent ecosystem for autonomous business task execution.
 - Pantry-to-Recipe System: AI-powered recipe generator using fine-tuned models and agent-based personalization.
 - Clean Sudoku: Mobile game with image-based puzzle solving using Flutter and Google Vision API.
 - Saral Patro: Nepali lunar calendar & cultural events app (Flutter, Firebase).
 - Pokhara Rojgar: Official government job platform (Flutter, Django, PostgreSQL).
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EXPERIENCE

Research Assistant

California State University, Dominguez Hills | Carson, CA

Feb 2025 – May 2025

- Applied and fine-tuned LLMs for medical text translation in low-resource languages using TensorFlow & PyTorch.
- Experienced working with low volume of data scenarios and explored 5+ reliable data creation methodologies.

Software Development Instructor

Aarambha IT Research Center Pvt Ltd | Nepal

Apr 2022 – Apr 2023

- Conducted hands-on training sessions in Full Stack Software Development for 40+ undergraduate students.
- 100% success rate and positive reviews.
- Mentored students who have since progressed into software development careers and higher education programs internationally.

Software Developer

Aarambha IT Research Center Pvt Ltd | Nepal

Feb 2021 – Aug 2023

- Delivered 5+ full-stack enterprise systems (Flutter/Django/PHP/SQL) with 100% completion.
- Led mentoring in best practices and code quality.
- Worked in collaboration with multiple teams including in house, government, and clients.

Application Developer

Thoplo Technologies | Remote

Jun 2021 – Jan 2023

- Launched 40+ [New and Recreated] Android apps (100,000+ downloads).
- Increased user retention 150% via UI/UX and performance optimization.
- Integrated APIs (GraphQL, Google Vision, OpenAI).

Extra Involvements

- Served as External Supervisor for final project presentations at Informatics College Pokhara (2023).
- Provided technical consultation to company leadership, clients, and interns at Aarambha IT Research Center.

EDUCATION

M.S. Computer Engineering – CSU Dominguez Hills (Aug 2024 - May 2026)

B.Sc. Computing, 1st Class Honors – Informatics College Pokhara, Nepal (Nov 2018 - Dec 2021)