

NABIN KHANAL

Computer Engineer

 nabinkhanal00.com.np  nabinkhanal688@gmail.com

 +977 9863474335

 /nabinkhanal00

 Lalitpur, Nepal

 /in/nabinkhanal00

SUMMARY

A dedicated, goal-oriented engineer with a talent for picking up information fast and paying close attention to details. Knowledgeable about teamwork and functioning in time-sensitive situations. Backend development, Problem-solving, algorithms, DevOps and systems development are of particular interest.

SKILLS

Languages: C, C++, Golang, Rust, Javascript, HTML, CSS, JavaScript, SQL.

Technologies: Linux, Docker, Kubernetes, eBPF, Git, Github, Github Actions, React, Svelte, Flask, Django, Express, OpenGL, Cisco Packet Tracer

Courses: Object Oriented Programming, Software Engineering, Project Management, Data Structures and Algorithms, Distributed Systems, Computer Networks, Security Operations Fundamentals.

EDUCATION

2017 - 2019	+2 Science 3.85 GPA, All nepal second rank	Nepal Mega College, Babarmahal, Kathmandu
November 2019 April 2024	Bachelors in Computer Engineering IOE Entrance Examination Rank 9 out of 12000 entrance aspirants	Pulchowk Campus, Pulchowk, Lalitpur

EXPERIENCE

September 2025 Present	Software Solutions Engineer - Performed root cause analysis on complex technical issues to identify and resolve underlying problems. - Managed escalated customer cases, delivering timely workarounds and ensuring minimal service disruption. - Developed strong proficiency with Java and Python debugging tools to efficiently diagnose and troubleshoot issues.	Guardsix
May 2024 September 2025	Associate Software Solutions Engineer - Collaborated closely with customers to address and resolve issues related to disk management, networking, database operations and web server configurations - Identified and resolved software bugs contributing to the overall stability and performance of the software - Developed scripts in Go, Python, and Bash to monitor disk health, manage memory, and track network performance	Guardsix
November 2023 May 2024	Backend Developer - Worked on REST API development for an educational platform - Implemented authentication measures using OAuth - Integrated ESEWA Payment Gateway	Personalized Tutor Inc.
2023	Software Fellowship Instructor Python, Flask / AI/ML	LOCUS, Pulchowk Campus
2022	Git Workshop Tutor Git / Github	IT Club, Pulchowk Campus
2023	Participant - Yomari Coding Competition - UxCam Codecamp - Hitachi Technergy Golang Python / Javascript	LOCUS, Pulchowk Campus
2023	Organizer +2 Quiz - Typing Competition - Hack A Week	LOCUS, Pulchowk Campus

PROJECTS

Go, Distributed Systems	Mapreduce	
A distributed MapReduce framework written in Go. It runs a long-lived coordinator (master), any number of worker daemons, and a standalone file server. Jobs are described as JSON specifications and submitted through a small HTTP API or the bundled job CLI client. Workers and the coordinator can run on different machines with no shared filesystem; all input, intermediate, and output data moves through the file server.		
C, Distributed Systems	Aegis: A distributed KV Store with Raft	
A single-threaded distributed KV store written in C with Raft for consensus		
SvelteKit, Azure, FastAPI, Pytorch	Image Inpainting using Encoder Decoder Network with Partial Convolution	 
Automatically reconstruct missing or damaged portions of images, enhancing overall visual quality and preserving image integrity.		
Cisco Packet Tracer	Pulchowk Campus Network Design	
Designed and implemented network infrastructure for Pulchowk Campus utilizing Cisco Packet Tracer simulation.		
Go	Bittorrent Client	
A client to download files using BitTorrent Protocol.		
C++, OpenGL	Rubiks	
A graphical application which simulates rubiks cube with cube motion and solve a scrambled rubiks cube.		
C++, OpenGL	Breakout	
A classic brick game implemented in OpenGL.		
Node, Express	Jobs API	
A backend application which acts as a service for a company which finds different clients, the appropriate job they are looking for.		
Go, Fiber, Mongodb	Lekh	
A social media application where the writer can post literatures.		

LANGUAGES

English - proficient, **Hindi** - conversational, **Nepali** - native