

Nitin Lohumi

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Objective

I seek to leverage my software development skills and contribute to innovative projects while collaborating with teams to implement efficient solutions and continuously improve my technical expertise.

Education

Graphic Era Hill University

Master of Computer Applications (MCA) — CGPA: 8.34 / 10

2023 – 2025

Dehradun, Uttarakhand

Soban Singh Jeena University

Bachelor of Computer Applications (BCA) — 73.43%

2020 – 2023

Almora, Uttarakhand

Work Experience

Software Engineer Associate

Blackcoffer Pvt. Ltd.

Nov 2025 – Present

Remote

- Build and maintain scalable web applications using **Next.js** and **React.js**, focusing on performance and code quality.
- Design and integrate **RESTful APIs** and Next.js API Routes to connect frontend and backend services.
- Implement secure user authentication flows using **NextAuth.js** (Google OAuth).
- Manage **MongoDB** databases with **Prisma ORM**, writing optimized queries for production workloads.

Full-Stack Developer Intern

Technology Business Incubator

Nov 2024 – Feb 2025

Dehradun, Uttarakhand

- Developed and maintained full-stack web applications using **Next.js**, **React.js**, **Node.js**, and **MongoDB**.
- Built RESTful APIs and Next.js API Routes; integrated **Google OAuth** authentication via NextAuth.js.
- Managed relational-style data modeling using **Prisma ORM** with MongoDB, improving query response times.
- Collaborated with cross-functional teams to deliver features on schedule in an agile environment.

Projects

ROI-Based Image Retrieval System | *Python, OpenCV, CNN, CLIP, FastAPI, React.js*

- Built an intelligent image retrieval system extracting Regions of Interest (ROIs) via **CNN** and matching similar images using **FLANN matcher**.
- Integrated **OpenAI CLIP** for semantic image understanding; exposed retrieval via a **FastAPI** REST backend.

Real-Time Collaborative Code Editor | *Socket.io, Express.js, CodeMirror, Judge0 API, Tailwind CSS*

- Built a multi-user collaborative CodePad with **live code execution** (Judge0 API), integrated group chat, and real-time user presence via **Socket.io**.
- Architected event-driven backend using Express.js; supported simultaneous multi-user editing with conflict-free updates.

Find Your Place - Location-Based Web App | *Next.js, Express.js, TypeScript, Tailwind CSS, Google Maps API*

- Developed a full-stack location-based app enabling users to search, filter, and explore nearby tourist spots on an **interactive map** powered by Google Maps API.
- Implemented user authentication and save-favorites functionality; used **TypeScript** for type-safe full-stack development.

AI Knowledge Chatbot | *Next.js, LangGraph, Hugging Face API, Groq API, Qdrant*

- Developed a context-aware AI chatbot using **LangGraph** workflow with web search (OpenClaw) and **Qdrant** vector database for Retrieval-Augmented Generation (RAG).
- Integrated **Hugging Face** and **Groq APIs** for fast, accurate LLM responses; reduced query response latency through efficient vector indexing.

Bookmarks Management App | *Next.js, Tailwind CSS, MongoDB, Express.js*

- Full-stack bookmarks manager with Google OAuth login, categorization, and search; built with Next.js and MongoDB.

Technical Skills

Languages	JavaScript, TypeScript, Python, Java, SQL
Frontend	React.js, Next.js, Tailwind CSS, HTML5, CSS3
Backend & APIs	Node.js, Express.js, RESTful APIs, Next.js API Routes, FastAPI
Databases	MongoDB, MySQL, Prisma ORM, Mongoose, Qdrant
DevOps & Tools	Git, GitHub, Docker, CI/CD, Socket.io, NextAuth.js

Soft Skills

Adaptability & Fast Learning — Problem-Solving & Analytical Thinking — Team Collaboration — Attention to Detail