

Shashwot Ghimire

+977 9861760347 — shashwot234@gmail.com — linkedin.com/in/shashwot-ghimire — github.com/shashwotghimire

Education

Kathmandu Engineering College

Bachelor of Engineering in Computer Engineering

Kathmandu, Nepal

74% (2022-2026)

- **Relevant Coursework:** Data Structures & Algorithms, OS, DBMS, Computer Networks, Distributed Systems

Experience

Arbytes Solutions

2026

Software Engineering Intern

Kathmandu, Nepal

- Built and shipped 3 full-stack, AI-integrated production applications end to end from architecture to deployment
- Followed agile development practices including code reviews, version control with Git, and iterative feature delivery
- Designed and integrated LLM-powered pipelines (Anthropic Claude, Gemini) into production systems for content generation, retrieval, and structured data extraction
- Set up CI/CD pipelines (GitHub Actions) for automated build and deployment across AWS and Digital Ocean

Projects

Nepali Reels: Automated Content Creation Platform

| [Live Link](#) & [GitHub](#)

- **Technologies:** React, Node.js, Express, PostgreSQL, Redis, AWS Bedrock, Anthropic Claude, Gemini, FFmpeg, BullMQ, TikTok API, Docker
- Built an end-to-end AI pipeline generating short-form Nepali-narrated videos from a single topic input
- Architected a multi-agent system (Anthropic AI-SDK) for script generation, fact-checking, video-spec generation and analyzing TikTok analytics
- Generated background videos via OpenRouter, Nepali voiceover with Gemini TTS, aligned word-level timestamps with ElevenLabs, and composited Devanagari subtitles using FFmpeg
- Uploaded MP4s and thumbnails to S3, served via CloudFront CDN, with optional auto-publish to TikTok
- Enforced structured LLM outputs using Zod schemas and managed asynchronous pipeline execution via BullMQ
- Integrated TikTok OAuth for automated posting and implemented Google OAuth using better-auth
- Dockerized the application and setup CI/CD to deploy the app on AWS Lightsail

Teamwork: Project Management SaaS

| [Live Link](#) & [GitHub](#)

- **Technologies:** Next.js, TypeScript, Node.js, Express, PostgreSQL, Redis, Socket.IO, BullMQ, AWS Bedrock, Anthropic Claude, Docker
- Built a multi-tenant project management SaaS with organizations, projects, tasks, group chat, and RBAC
- Built email-based member invitation flow for orgs and a super admin panel for user and org management
- Implemented group chat and live notifications via Socket.IO, and a background email job system using BullMQ
- Reduced API response times by caching frequently accessed endpoints with Redis
- Built a Kanban board with drag-and-drop task management and a Full Calendar view for deadline tracking
- Containerized with Docker and deployed backend on AWS Lightsail via GitHub Actions CI/CD, frontend on Vercel

DocumentGPT: Document Intelligence Platform

| [Live Link](#) & [GitHub](#)

- **Technologies:** React, TypeScript, Node.js, Express, PostgreSQL, pgvector, AWS S3, Google Gemini, LangChain, Docker
- Built a RAG-powered document chat application supporting PDF, DOCX, CSV, and TXT files
- Implemented document ingestion pipeline using AWS S3 for storage, Langchain for chunking, and Gemini for generating vector embeddings
- Retrieved relevant chunks via cosine similarity search and streamed grounded AI responses using Gemini via SSE
- Built JWT authentication with GitHub OAuth, email verification, and RBAC with an admin dashboard
- Deployed backend on DigitalOcean Droplet via GitHub Actions CI/CD and frontend on Vercel

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, SQL, HTML, CSS
- **Technologies:** React, Next.js, Node.js, Express, NestJS, Prisma, Sequelize, JWT, OAuth, Better-auth, Socket.io, Tailwind CSS, Shadcn, Tanstack Query, Zod, Redis, BullMQ, LangChain, pgvector, Anthropic Claude SDK, Gemini API
- **Databases:** PostgreSQL, MongoDB
- **Cloud & DevOps:** Git, GitHub Actions, Vercel, Render, Azure (Webapp Service), AWS (S3, Lightsail, Cloudfront, Bedrock), DigitalOcean, Nginx, Docker