

ROMAN HUMAGAIN

SOFTWARE ENGINEER | FULL STACK DEVELOPER

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

PROFESSIONAL SUMMARY

Software Engineer | Full Stack Developer with 2+ years of experience developing and maintaining production web and mobile applications using Python, Django, React, Next.js, Node.js, and Flutter. Experienced in building REST APIs, database-driven applications, CMS and e-commerce platforms, and marketplace systems. Hands-on experience with production deployment, application security, performance optimization, Docker, Nginx, and Linux, with additional experience in blockchain application development.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, Dart

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Vite

Backend: Django, Django REST Framework, Node.js, Express.js

Mobile: Flutter, React Native

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Infrastructure: Docker, Nginx, Linux, SSH, Vercel, Render, Cloudflare

Blockchain / Web3: Solidity, Ethereum, Hardhat, Ethers.js, MetaMask, Infura

Tools: Git, GitHub, Postman, VS Code, Figma, Jira

PROFESSIONAL EXPERIENCE

Data Saturn Pvt. Ltd. — Full Stack Developer

Jan 2025 – Present

Kathmandu, Nepal | Full-time, On-site

- Developed and maintained production web and mobile applications across e-commerce, NGO/INGO, and recruitment domains using React, Next.js, Django, and PostgreSQL/MySQL.
- Led full-stack development, API integration, deployment, maintenance, and troubleshooting across multiple client and in-house systems.
- Resolved production issues, implemented security fixes, and improved application performance across live systems.
- Managed production deployments using Docker, Nginx, Linux, SSH, and Git/GitHub.
- Integrated payment gateways, email services, two-factor authentication, analytics, and role-based access control into production applications.
- Contributed to the modernization of a legacy Magento e-commerce platform, including migration of 20,000+ operational records to a custom React/Django system.
- Provided technical leadership for an in-house job search and recruitment platform, supporting API integration and system maintenance.

Freelance Software Developer

2024

- Developed and maintained web and mobile applications, contributing to application development, API integration, and database management.

PROJECTS

Blockchain-Based Pharmaceutical Supply Chain Management System | pharmatrace.vercel.app

Role: Solo Developer | Full-Stack & Blockchain Application

- Designed and developed the complete full-stack and blockchain solution — covering system architecture, frontend, backend APIs, database, smart contracts, blockchain integration, testing, and deployment.

Technologies: Blockchain, Solidity, Hardhat, Ethereum, Ethers.js, MetaMask, MERN Stack, MongoDB Atlas, Infura, Render, Vercel, Git/GitHub

MeroCareer — Job Search & Recruitment Platform

Mobile Application

- Built with Flutter and Django to connect job seekers and recruiters, including job searching, job posting, applications, user profiles, authentication, and recruitment management.

Technologies: Flutter, Dart, Django, Django REST Framework, Git/GitHub

Dynamic Portfolio CMS | romanhumagain.com.np

Full-Stack Web Application / CMS

- Built a MERN-based portfolio management system with a CMS, visitor analytics, and advanced admin tracking to monitor website activity, manage portfolio content, and track user interactions and security events.

Technologies: MongoDB, Express.js, React, Node.js, JavaScript, Tailwind CSS, Render, Vercel, Cloudflare, Git/GitHub

TaskUnity — Collaborative Task Management System

Full-Stack Web Application

- Built a collaborative task management system for creating, assigning, tracking, and managing tasks between users.

Technologies: MongoDB, Express.js, React, Node.js, JavaScript, Tailwind CSS

Student Management System

Web Application

- Developed a system to manage student enrollment, attendance, grades, and assignments.

Technologies: Python, Django, MySQL, HTML, CSS, JavaScript, jQuery

Hotel Booking and Management System

Desktop Application

- Developed an application to simplify hotel room booking and management.

Technologies: Java Swing, JDBC, MySQL

AI-Based Face Detection System

AI / Computer Vision Project

- Developed and optimized machine learning models for face detection using image data, PCA, neural networks, and AdaBoost; compared Randomized Search and Grid Search to improve model performance.

Technologies: Python, Scikit-learn, PCA, MLPClassifier, AdaBoostClassifier, NumPy, Pandas | **Tools:** Anaconda, Google Colab

EDUCATION

BSc (Hons) in Computer Science & Software Engineering

Jan 2023 – Feb 2026

University of Bedfordshire, UK — PCPS College, Kathmandu, Nepal (Affiliated Programme)

- Classification: First Class Honours
- Final Year Project: Blockchain-Based Supply Chain Management System in the Pharmaceutical Industry

CERTIFICATIONS

- Django Web Framework — Meta, Coursera (June 2023) | [Verify Credential](#)
- Django Application Development with SQL and Databases — IBM, Coursera (July 2023) | [Verify Credential](#)
- Databases and SQL for Data Science with Python — IBM, Coursera (May 2023) | [Verify Credential](#)

LANGUAGES

Nepali — Native | English — Working Proficiency | Hindi — Conversational