

Abhishek Kandel.

Software Developer & Co-Founder, Verastix Technology

info@abhishekkandel.com.np

abhishekkandel.com.np

[LinkedIn / abhishekkandel45](https://www.linkedin.com/in/abhishekkandel45)

[GitHub / abhishekkandel45](https://github.com/abhishekkandel45)

Developer from Nepal working across web platforms, business software, and geospatial data. My work connects public-facing websites with the systems behind them: booking, learning, commerce, client management, and local planning. Research interests include cloud optimisation, machine learning, and digital trust.

EXPERIENCE

Verastix Technology / Co-Founder

Mar 2025 – Present

Building websites and operational software through Verastix Technology. Work across travel, education, commerce, and business software. Combine software development with search visibility and digital strategy.

DASTAA / Data Officer / DRR

Jun 2025 – Feb 2026

Data and disaster-risk-reduction work with Digital and Spatial Technologies for Anticipatory Action. Contributed to the integration of datasets into the DASTAA platform. Supported data coordination for preparedness and anticipatory action.

NAXA / Data Officer

Apr 2025 – Feb 2026

Worked with geospatial information for disaster preparedness and local planning. Contributed to a baseline capacity and data-status assessment. Helped develop drafts of municipal spatial data infrastructure and data-management guidance.

Media Arch Inc. / Digital Marketing Consultant

Jun 2022 – May 2025

Digital marketing work spanning Facebook advertising, writing, and campaign communication.

Kalakart™ / Graphic Designer · Internship

Jan 2022 – Sep 2022

Graphic design work during a nine-month internship.

Kathmandu Model Secondary School / Computer Club President

Jul 2020 – Jan 2022

Developed and managed a website backend using Django, SQL, and AWS, and organised technology workshops and competitions. Introduced Office 365 and Microsoft Azure to teachers and students. Also served as Graphic Designer (July 2018–January 2022) and Club President (September 2019–December 2021).

Sainik Awasiya Mahavidyalaya / Club President

Sep 2014 – Dec 2018

Managed school and office networks, supported the library management system, and organised workshops and project demonstrations. Also served as Researcher from January–October 2018, studying eleventh-hour exam preparation.

Product & platform projects

Nepal Travel Mate / Travel & booking

A trekking and tour platform that brings destinations, detailed itineraries, booking enquiries, and an operator’s content workspace together. Includes itinerary PDFs, departure management, and an admin CMS.

Next.js · TypeScript · Prisma · MySQL

EduLead / Education consultancy CRM

A workspace for education consultancies to follow enquiries through counselling, applications, documents, and the tasks that move them forward. Includes team and branch management, lead forms, Meta Lead Ads ingestion, and document review.

React · TypeScript · Next.js API · PostgreSQL · Redis

Online Class Nepal / Learning & school operations

An IELTS and PTE learning website with an administration system for students, batches, attendance, learning materials, and fees. Includes teacher and accountant access, email notices, and financial reports.

Next.js · React · MySQL · NextAuth

Swostha Nepal / Wellness commerce & operations

A herbal and wellness storefront connected to product, inventory, order, and fulfilment tools for the team running the business. Includes POS, returns, wholesale enquiries, payment reconciliation, and courier workflows.

Next.js · TypeScript · Prisma · MySQL

Cake Mantra / Bakery catalogue & CMS

A bakery website where customers choose a cake, personalise the details, and send their order enquiry through WhatsApp. The admin manages cakes, categories, gallery images, settings, and staff access.

Next.js · TypeScript · Prisma · MySQL · GSAP

VidyaConnect / School management platform

A school management system with separate school workspaces and a parent portal for following children’s learning and school life. Parent-facing APIs support fees, attendance, results, timetables, notices, and leave applications.

Next.js · React · Prisma · PostgreSQL

COSMOS / Civic technology & GIS

A configurable platform for public-service requests, staff coordination, and spatial decision support within a defined service area. Includes vector and raster processing, map publication, and bilingual content workflows.

Next.js · PostGIS · Drizzle · Leaflet · GDAL

FIELD WORK & TECHNICAL EXPLORATIONS

Kandel Krishi

Offline-first Android field records and a management dashboard for a harvesting business: jobs, locations, payments, and synchronised operations.

Build notes · March 2026

Project SANJU

A research exploration of predictive cloud resource allocation using ARIMA and LSTM for just-in-time provisioning.

DASTAA

Data integration and disaster preparedness work through Data Officer roles at NAXA and DASTAA, ending February 2026.

Digital & Spatial Technologies for Anticipatory Action

Plant Disease Recognition

Deep-learning exploration spanning CNN training, data augmentation, model serving, and mobile deployment.

Project source on GitHub

Earlier websites: KMC Students’ Committee, Sauharda Sigdel, Sabhya Sigdel, and Dr. Lalit Arora. Browse the portfolio.

Research publications

A Framework for Optimizing Cloud Deployment

IEEE · 2025

Cloud-native deployment efficiency through caching, load balancing, resource allocation, and scaling.

A Framework for Building Blockchain-Based Secured E-voting

IEEE SMART · December 2023

A framework exploring voter authentication, vote integrity, traceability, and privacy.

SUBIINA: Stress and Unhappiness Behavioural Identification using Intelligent Artificial Neural Networks and Analysis

IEEE CICTN · February 2025

A multimodal ANN approach using speech and facial features for behavioural identification.

A Report on E-waste Management

ResearchGate · June 2022

Electronic waste, recycling, and remanufacturing processes. Research profile.

EDUCATION

Sharda University

B.Tech, Computer Science Engineering
Greater Noida, India · 2021–2025

Kathmandu Model Secondary School

Higher Secondary · Science
Kathmandu, Nepal · 2019–2021

Sainik Awasiya Mahavidyalaya

Secondary Education Examination
Nepal

TECHNICAL SKILLS

Web & data	TypeScript, JavaScript, Python, SQL, React, Next.js, Django, FastAPI, Prisma, MySQL, PostgreSQL
Spatial & ML	GIS, PostGIS, Leaflet, TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, ARIMA / LSTM
Delivery & design	AWS, Google Cloud, Azure, Docker, Git, CI/CD, Redis, Photoshop, Illustrator, SEO

CREDENTIALS

Build Infrastructure with Terraform on Google Cloud

Google Skill Badge · Jun 2024

Elastic Google Cloud Infrastructure: Scaling and Automation

Google · May 2024 · ID 9204874

Essential Google Cloud Infrastructure: Foundation

Google · Mar 2024 · ID 8468119

Preparing for Your Associate Cloud Engineer Journey

Google · Dec 2022 · ID 3089653

Programming in HTML5 with JavaScript and CSS3

Sololearn · Apr 2018 · ID 1023–8797240

Implement Load Balancing on Compute Engine

Google Skill Badge · Jun 2024

Essential Google Cloud Infrastructure: Core Services

Google · Apr 2024 · ID 8512849

Google Cloud Fundamentals: Core Infrastructure

Google · Jan 2023 · ID 3118435

Applied Data Science with Python

Simplilearn · Sep 2022 · ID 3793907

Introduction to Programming Using HTML and CSS

Sololearn · Mar 2018 · ID 1014–8797240

RECOGNITION & COMMUNITY

NCSQC Best Researcher · ICSQC · August 2017. EMCC & Organizing Committee Leader · KMC Model Provincial Assembly · October 2021.

Team recognition: DASTAA received 1st Runner-Up in Smart Resilience at the SAFE STEPS D-Tech Awards 2025. NAXA announcement.