

# Divyash Chhetri

Full Stack Developer

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## About

I am a software engineer and full-stack developer experienced in analysing requirements, designing scalable architectures, and building reliable web applications. I specialise in JavaScript, TypeScript, React, Next.js, MERN, and modern backend/API integrations, delivering production-ready systems for government, enterprise, and private clients.

I work across the full software development lifecycle—solution design, coding, debugging, testing, and documentation—following established standards and best practices. I collaborate effectively in team environments and maintain clear, structured technical documentation.

With strong experience in IT infrastructure, networking, and cloud deployment, I also support end-to-end implementation, system optimisation, and integration across web, mobile, and on-site environments. I bring solid problem-solving skills, attention to detail, and strong communication abilities, suited for both independent and collaborative engineering roles.

## Work Experience

Jan 2025 – Present  
Bhutan

### Founder | Full Stack Developer

*ByteTech Labs*

Founded and led ByteTech Labs, delivering end-to-end software and IT infrastructure solutions for government, education, and private clients across Bhutan. Built scalable web platforms and CMS-driven systems (Next.js, React, MERN, WordPress) for projects including Parliament of Bhutan and Pelsung. Designed and deployed enterprise networking (Wi-Fi/LAN, VLANs, Starlink, IP-PBX), CCTV and surveillance systems, POS and smart office solutions, and business automation using Google Apps Script. Managed full project lifecycle including development, deployment, infrastructure, support, procurement, training, and small technical teams.

May 2025 – Aug 2025  
Full Time Remote

### UI/UX Designer & Frontend Developer

*Xverse, United Arab Emirates*

At Xverse Digital, I design intuitive and user-centered experiences across web and mobile platforms. My work includes wireframing, prototyping, and crafting high-fidelity interfaces in Figma with a strong focus on usability and consistency. I collaborate closely with product and development teams to align user goals with business needs, and support frontend implementation to ensure smooth design handoffs.

Jan 2022 – Jan 2025  
Bhutan & Remote Works

### Freelance

Worked independently with clients to build full-stack applications, set up infrastructure, and deliver tech solutions.

- Created websites, dashboards, and automation tools for local businesses and NGOs
- Managed cloud servers, email setups, and basic networking
- Delivered multimedia content, social media materials, and product photography
- Offered tech consulting, procurement advice, and general IT support for small offices

Dec 2023 – Mar 2024  
Thimphu, Bhutan

### Full Stack Dev Intern

*DHI InnoTech*

Contributed to the development of user and admin dashboards for two major projects using Next.js and the MERN stack, enhancing data management efficiency by 30%. Led the configuration of email services, databases, and other backend requirements, and developed a React Native mobile app that streamlined user experience across platforms.

Feb 2020 – Jun 2020  
Thimphu, Bhutan

### Marketing Intern

*Tamu Worldwide Shippling Private Limited*

- Posters and video ads for marketing
- Advocacy posters
- Client videos
- Handled social media pages
- Additional Technical Support (fixed hardware and software problems for PCs)

## Education

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Jul 2020 – Jun 2024  
Phuentsholing, Bhutan

### B.E. Information Technology

*College of Science and Technology, Royal University of Bhutan*

Graduated with a strong focus on software development, database management, and development & programming in general. Engaged in competitive programming and extracurricular projects that honed problem-solving skills.

2014 – 2019  
Phuentsholing, Bhutan

### High School

*Phuentsholing Higher Secondary School*

Grade 7 to 12

2007 – 2013  
Phuentsholing, Bhutan

### Primary School

*Phajoding Lower Secondary School*

Pre-Primary to Grade 6

## Skills

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### Frameworks & Languages

Next.js, ASP.NET, MERN, JavaScript, Python, C#, Java, TypeScript, Dart, Ruby, C, C++

### Automation & Support

Google Sheets Automation (Apps Script), IT Consulting, Office Setup, System Integration, Remote & On-Site Support

### IT & Infrastructure

Networking (LAN, AP Setup), CCTV Installation (IP/Analog/360°), Starlink Deployment, Smart Home Systems, Cloud & Email Hosting, POS & Retail Systems, Hardware Procurement & Configuration

### Other Skills

Project Management, Documentation, Technical Consultation, Client Handling, Content Creation

### Tools & Platforms

AWS, Azure, Docker, Figma, Vercel, Google Workspace, Microsoft 365, Hikvision Tools

### Creatives

*Adobe Photoshop, Premiere Pro, After Effects, Illustrator, Xd, Lightroom, Audition, Final Cut Pro X*

## Publications

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Jul 2021

### Analysis of Infrared stove, Induction Cooktop and LPG for Cooking Selective Dishes in Bhutan

*(IJSRED) International Journal of Scientific Research and Engineering Development - Volume 4 Issue 4*

DOI: 10.13140/RG.2.2.28555.21288

## Projects

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Oct 2025 – Present

### Web Developer & Site Manager

*Bhutan SDG Impact Finance Forum (UN Bhutan)*

Developed and managed the official website for the Bhutan SDG Impact Finance Forum under United Nations Bhutan. Handled end-to-end implementation including frontend development, content structuring, UI updates, performance optimization, and ongoing maintenance. Managed hosting, deployment, and continuous content updates to ensure the platform stayed accurate and event-ready.

URL: <https://www.impactfinance.bt/> 

Sep 2025 – Present

### **Lead Developer & IT Consultant**

*Pelsung - Innovate for GMC (Gelephu Mindfulness City Initiative)*

Developed the full digital ecosystem for the Innovate for GMC initiative, including the landing site and multi-role portal. Built with Next.js 15, Tailwind, Framer Motion, and shadcn/ui, integrated with a GoLang backend. Project handover completed on 31 Oct 2025, with ongoing support, optimization, and feature upgrades provided until Jan 2026.

URLs:

- Public Site — <https://pelsung.bt/> 
- Portal — <https://portal.pelsung.bt/> 

Sep 2025 – Present

### **IT & Web Support**

*Nyingnor Marketing*

Providing ongoing IT support, hosting management, and website maintenance for Nyingnor Marketing. Completed the revamp of their official website using Next.js, with improved performance, design, and SEO integration.

URLs: <https://nyingnor.com> 

Apr 2025 – Present

### **IT & Web Support**

*Gyaltshen Consultancy*

Provided comprehensive IT solutions including web hosting, email setup, MIS (Management Information System), NAS storage, and office IT support. Supplied and configured PCs, laptops, and monitors, along with designing and maintaining their website.

URLs: <https://gyaltshen.com/> 

Jun 2025 – Aug 2025

### **UI/UX Designer, Xverse**

*Road Slope Failure Database - GovTech & MoIT*

Designed user-centric UI/UX for the Road Slope Failure Database (RSFD) web and mobile app project in collaboration with Xverse Digital, supporting GovTech & MoIT through consultation with Jordhen Deep Mind Systems.

Jan 2025 – Present

### **Server Reconfiguration & IP Telecom Systems**

*Multiple Corporate Clients*

Reconfigured on-premise servers and implemented VLAN setups for secure segmentation. Deployed IP-PBX/telephony systems with intercom, call forwarding, and office-wide communication. Resolved website deployment and hosting issues, ensuring reliable uptime and optimized performance.

Oct 2024 – Present

### **Networking, Starlink, CCTV & Smart Home Solutions**

*Multiple Residences & Offices*

Delivered ongoing deployments for various clients involving Starlink internet, Archer/Mesh routers, and EAP AP series with VLAN and LAN optimization. Implemented CCTV systems (360°, IP, analog) with mobile access and secure recording. Configured smart home setups including 5-way access digital locks, doorbell phones, and smart switches, enabling modern and secure living/working environments.

Oct 2024 – Sep 2025

### **POS System Deployment**

*Multiple Retail Shops*

Supplied, installed, and configured POS systems (billing, barcode scanners, cash drawers, receipt printers) for multiple retail locations.

Jun 2023 – Present

### **PC, Laptop & Hardware Supply**

*Ongoing Clients*

Procured, configured, and deployed computing hardware and peripherals for offices and schools, ensuring smooth IT operations.

Aug 2025 – Aug 2025

### **BBS3 – IP Intercom System & Network Reconfiguration**

*Bhutan Broadcasting Service – Channel 3*

Set up a complete IP-based intercom system with 2 incoming and 2 outgoing phone lines. Configured call flow so incoming calls reach the CEO and receptionist first, then forward to all other extensions. Enabled outgoing calling from all phones. Also fixed network issues by reconfiguring VLANs and resolving Layer-2/Layer-3 switch misconfigurations, ensuring a fully stable communication system.

Apr 2025 – Aug 2025

### **Parliament Website & CMS Development**

*Parliament of Bhutan*

Developed and managed 4 official Parliament websites with integrated CMS for content management. Provided continuous support for hosting, updates, and system security.

Main Site - <https://parliament.gov.bt> ↗

National Assembly of Bhutan - <https://nab.parliament.gov.bt> ↗

National Council of Bhutan - <https://ncb.parliament.gov.bt> ↗

Apr 2025 – Apr 2025

### **Brand Website & IT Support**

*Amal Areca Nut Processing Unit*

(Incomplete)

Created a modern brand website for a premium Bhutanese pan masala brand. Provided IT consulting, managed email systems, and assisted in logo design coordination, product sampling feedback, and packaging design—supporting their brand identity and export readiness.

URL - <https://www.amalgroupbt.com> ↗

Feb 2025 – Feb 2025

### **Website & IT Consulting**

*Tamu Worldwide Shipping Pvt. Ltd.*

Worked as a freelance IT consultant to develop and manage their website. Automated internal processes using Google Sheets and Apps Script for data entry, calculations, and tracking, improving operational efficiency.

URL - <https://www.tamushipping.com> ↗

Sep 2024 – Oct 2024

### **Incentive Management System**

*High Quality Thangkha Painting*

Designed and developed a comprehensive incentive management system using Next.js, Vercel and MongoDB, enabling efficient tracking of driver and guide visits and incentives. Built features for admin dashboard operations, including adding visits, managing profiles, and tracking completed visits to ensure effective incentive allocation.

Sep 2024 – Sep 2024

### **SJBIFA**

*Website for Samdrup Jongkhar Bhutan India Friendship Association*

Developed an interactive platform for the Samdrup Jongkhar Bhutan India Friendship Association using Next.js (TypeScript) and Tailwind CSS, facilitating cross-border cultural exchange and increasing member engagement.

URL - <https://sjbifa.org> ↗

Aug 2024 – Aug 2024

### **Fly Beyond Tour**

*Website for Tour Agency*

Built a responsive website for a travel agency using Next.js and Tailwind CSS, enhancing user engagement by showcasing tailored travel experiences and enabling seamless booking through Nodemailer integration.

URL - <https://flybeyondtours.com/> ↗

Jul 2024 – Jul 2024

### **HP Professional**

*Website for Service Provider*

Developed a professional website for HP Professional using React.js, Bootstrap, and Vercel, enhancing their online presence with seamless GoDaddy domain integration. The site features comprehensive service details and ensures user-friendly navigation.

URL - <https://hprofessional.com.au> 

Jul 2023 – May 2024

### **Micro services based NLP portal development and deployment using MLOps**

*NextJs, React Native, ASP.NET, Python, Docker, Nginx, Proxmox*

Led a team of two to develop and deploy a microservices-based project for four NLP models created by the AI team. These models included Neural Machine Translation (English to Dzongkha and vice versa), Dzongkha Text-to-Speech, and Dzongkha Speech Recognition.

Aug 2023 – Nov 2023

### **Bhutanese Sign Language Word Level Recognition**

*15 Word Recognition AI Model Prototype for BSL (Python)*

Lead a team of 3 and worked on a prototype development of an AI model to recognize Bhutanese Sign Language. Collected data and trained the model using 15 words.

Aug 2022 – Nov 2022

### **Flight Information Display System**

*Project using ReactJs, ASP.NET Core 6, Flutter*

Lead a team of 3 and developed a worthy flight information display system with a single admin dashboard that updates all details and sends data to web app and mobile apps using a single API.

## **References**

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**Phub Dorji**, CEO, Nyingnor (<https://nyingnor.com>)  
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**Phuntsho Gayenden**, CEO, WONS (<https://wons.bt>)  
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