UTSAV KARKI

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SUMMARY

Full-stack software developer and server administrator with 3+ years of experience building and maintaining web platforms, RESTful APIs, databases, and cloud/server infrastructure for clients in Canada, the UK, and Nepal. MSc Computer Science student at Memorial University of Newfoundland, currently working as a Digital Systems & Web Intern at Verisult. Skilled in PHP/Laravel, Node.js, WordPress, and Python, with hands-on experience in machine learning and AI-integrated applications. Known for delivering production-ready work remotely, communicating clearly with non-technical stakeholders, and turning business requirements into reliable software.

EDUCATION

Master of Science in Computer Science, Memorial University of Newfoundland — Sept 2026 - Present

- Course-based MSc program; coursework includes Data Visualization and Software Engineering

Bachelor of Computer Science and Information Technology, Vedas College, Nepal — 2019 - 2024

- Percentage: 76.45% | College Topper in CS Faculty
- Relevant Coursework: Statistics, Database Systems, Data Structures, Machine Learning, Business Information Systems

SKILLS

Programming Languages	Python, PHP, JavaScript, SQL
Web Technologies	HTML, CSS, Tailwind CSS, Laravel, Livewire, Node.js, Express.js, WordPress
Machine Learning	TensorFlow, Scikit-learn, CNN architectures
Databases	MySQL, MongoDB
Tools and Platforms	AWS, Docker, DigitalOcean, Cloudflare, Git, GitHub
Professional Skills	Teamwork, Client Communication, Relationship Building, Leadership, Mentoring Time Management, Problem Solving, Adaptability

PROFESSIONAL EXPERIENCE

Digital Systems & Web Intern — Sept 2026 - Present
Verisult (MUN Graduate Internship Program) — *St. John's, NL*

- Support the rebranding and redevelopment of Verisult's corporate website to improve usability, performance, and brand consistency
- Design and build the Verisult College online-education website using Tailwind CSS and GSAP animations, structured for conversion into a custom WordPress theme
- Review the organization's existing technology platforms and recommend opportunities to consolidate and improve its digital systems
- Contribute to the development and launch of version 2 of SkillMatchAI, Verisult's in-house AI platform

Freelance Software Developer — Jul 2025 - Aug 2026
Ranking Solutions Limited (t/a M65 SEO Agency) — *Colne, Lancashire, UK (Remote)*

- Built data-driven web platforms for organisations including Age UK, handling structured user and transactional data
- Designed and maintained relational databases and backend logic across education, e-commerce, and service domains
- Translated evolving client requirements into structured data models and production-ready features

- Delivered task-based projects remotely via PeoplePerHour with consistent quality and timely communication

Mid-Level Software Developer Feb 2026 - Aug 2026
Binary Digits Pvt. Ltd. *Kathmandu, Nepal*

- Developed and maintained full-stack web applications with a focus on scalable architecture
- Built RESTful APIs and server-side logic using Node.js and Laravel for high-performance application delivery
- Designed and optimized relational databases, ensuring data integrity, query efficiency, and scalability
- Collaborated across teams to translate business requirements into robust, production-ready software

IELTS Exam Invigilator (Part-Time) May 2025 - Aug 2026
British Council Nepal *Kathmandu, Nepal*

- Administered and invigilated IELTS examinations in compliance with British Council standards and procedures
- Ensured examination integrity, candidate welfare, and accurate documentation throughout the exam process

Software Developer Nov 2024 - Jul 2025
Dasraa Tech Private Limited *Lalitpur, Nepal*

- Developed a property management system using Laravel and MySQL with a focus on clean architecture and maintainability
- Led a database migration project that improved overall application performance by 25%
- Built an automated email notification system using cron jobs, PHP, and API integrations with Laravel

Web Development Instructor (Part-Time Workshop) Dec 2024 - Feb 2025
Advance School of Professional Studies Academy *Lalitpur, Nepal*

- Trained undergraduate students in Git, HTML, CSS, JavaScript, and Python
- Fostered analytical thinking through hands-on problem-solving exercises

Software Development Intern Jun 2023 - Jan 2024
Lele Ventures *Lalitpur, Nepal*

- Developed an interactive finance-based web application using Laravel and Livewire
- Integrated real-time data processing features to improve user experience and application responsiveness

PROJECTS

HealthDocX – Unified Health Records Analytics Platform

- Developed AI-driven dashboards to digitize and analyze unstructured health records, categorized by hospital, health issue, and patient
- Integrated Gemini AI for document analysis, generating health summaries and recommendations for faster decision-making
- Designed role-based access and secure data handling to protect patient privacy
- **Source and demo:** https://github.com/utsav1o1/HealthDocX (Live: https://health-doc-x-nepal.vercel.app)

Dog Breed Classification using Deep Learning

- Designed and implemented a CNN-based dog breed classifier achieving 95% accuracy on a large dataset
- Won the Best Machine Learning Project Award at the AWS Scholar Program
- **Source:** https://github.com/utsav1o1/Dog-Breed-Classification-Using-a-pre-trained-CNN-model

Loyalty Barter System

- Developed a location-based filtering system using PHP and MySQL with ID3-based classification for deal identification
- Integrated blockchain technology for transaction transparency
- **Source:** https://github.com/utsav1o1/final-year-project

Instagram/TikTok Auto-mention Bot

- Created a Python automation tool that performed over 1,000 user mentions in live sessions
- **Source:** https://github.com/utsav1o1/TokMateExtension (Instagram: https://github.com/utsav1o1/instagram-auto-mention)

CERTIFICATIONS

- **Ready Talent Sales Sprint: Prospect to Pitch Simulation**, techNL (St. John's, NL) – Sept 2026 View Post
- **AI and Data Engineering**, Udacity View Certificate
- **Supervised Machine Learning**, Stanford University (Coursera) View Certificate
- **Python for Data Engineering**, Dataquest View Certificate

ACHIEVEMENTS & AWARDS

- College Topper in CS Faculty (Bachelor Level)
- Ranked 152 out of 2,500 – AWS Scholarship for Machine Learning 2022
- Best Machine Learning Project Award – AWS Scholar Program
- Top 10 Finalist – Idea College Hunt (out of 140 participants)

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **President**, Vedas Hashtag Community (ITSN) 2023
  - Led student technology initiatives and organized workshops on emerging tech to promote digital literacy
- **College Representative**, Vedas College 2022
- **Operations Manager**, Australian Pathak 2022
- Technical blogger and YouTuber creating educational content on computer science topics

REFERENCES

Available upon request.