

Avishek Dangol

Fulham, London

dangolavishek@gmail.com | <https://linkedin.com/in/dangolavishek>

SUMMARY

Machine Learning Engineer with over five years' experience in web development, actively pursuing a master's degree in Artificial Intelligence with a group project on 'Skin Cancer Detection using CNN and Explainable AI'. Strong skills in backend frameworks like Laravel and Django, proficient in MySQL and PostgreSQL databases. Successfully managed web projects with timely delivery. Adept at collaborating with diverse teams to deliver innovative solutions. Eager to contribute to a forward-thinking company to achieve impactful results.

WORK EXPERIENCE

MSc. AI Group Project UWE Bristol, Present

- Implemented Convolutional Neural Network (CNN) with data augmentation for skin cancer detection in diverse skin tones.
- Integrated Explainable AI (XAI) to understand the decision making of the model.
- Integrated Large Language Model (LLM) to interpret the results of XAI methods for non-technical users.
- Planning to conduct a survey to quantify the benefits of LLM interpretation for XAI techniques.

Project Manager, Senior Backend Developer Tribhuvan University, Jan 2024 – Jul 2024

- Led a one-time web development project for the 6th annual conference of the Asian Population Association.
- Engaged with clients to ascertain their specific needs and developed Software Requirement Specification (SRS).
- Engineered server-side logic using Laravel, RESTful APIs, MySQL database and comprehensive test coverage.

Full Stack Web Developer Global English Campus, Mar 2022 – May 2025

- Completed projects include learning management system, work management system and AI-IDE implementing GenAI.
- Backend development using Laravel, Node JS and Django, alongside databases including MySQL, PostgreSQL and Neo4J.
- Frontend development utilising JavaScript framework Vue JS.

Head of Operations (Voluntary) GrassRootsWeb, Apr 2024 – Mar 2025

- Led a global network of volunteers to design impactful websites for charity organisations and small businesses.
- Oversaw day-to-day operations, ensuring seamless and efficient activity execution.
- Conceptualised innovative initiatives to enhance the volunteer experience

Web Developer Autonomous Technology, Oct 2020 – Mar 2022

Volunteer ICS Raleigh International, Jun 2019 – Sep 2019

EDUCATION & QUALIFICATIONS

MSc. Artificial Intelligence UWE Bristol	2025
PG Diploma in Computer Application Kantipur City College	2023
Bachelor's in Business Studies Nepal Kasthamandap College	2019

WORKSHOPS & CERTIFICATIONS

AI Engineer for Data Scientist Associate DataCamp	Jul 2025
Future Leadership Experience UWE Bristol, Common Purpose	Jun 2025
Data Analysis on Vector-Borne Diseases Imperial College London, One-Health	Jun 2025

SKILLS

Machine Learning: Data Exploration, NLP, Computer Vision, Explainable AI, PyTorch, TensorFlow

Backend Development: PHP (Laravel), JavaScript (Node JS), Python (Django)

Frontend Development: Vue.js and React.js along with libraries, including Shadcn, Ant Design, Material UI

Database Management: MySQL, PostgreSQL, MongoDB, Neo4J

Version Controlling with **Git** and **GitHub**

Scrum-Agile Methodology