Bishal Giri

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SUMMARY

I'm a Tech-driven software developer with a strong interest in programming, data analysis, and IT support. Experienced in developing web and mobile applications, with growing expertise in Machine Learning and AI. Proficient in TensorFlow, Scikit-learn, version control, and algorithm design. Skilled in Python, Java, and comfortable with modern development workflows like Agile. Most importantly, I'm a fast learner driven by curiosity and I enjoy building challenging solutions that think ahead and serve real needs.

EXPERIENCE

Data Research Intern

Australia Industry Experience Internship Program   **Jun. 2023 – Sep. 2023. Brisbane**

- Conducted a data-driven research project on the tourism potential of regional Queensland, excluding major cities like Brisbane and Gold Coast.
- Collected and cleaned tourism-related datasets using **Pandas** and **NumPy** to ensure accuracy and consistency.
- Created insightful data visualizations and trend graphs using **Matplotlib**, supporting strategic recommendations to attract visitors to underexplored regions.
- Gained hands-on experience in applying **data science and machine learning fundamentals** to solve real-world industry problems.

PROJECTS

Dog Breed Detection

ZTM Academy • March 2025 - April 2025

- Built an image classification model using Convolutional Neural Networks (CNNs) to identify different dog breeds from input images.
- Developed the project during the ZTM Machine Learning Bootcamp using Python and TensorFlow.
- Focused on training accuracy, model evaluation, and improving generalization to unseen dog breed images.

Heart Disease Prediction (Kaggle Dataset)

Personal Project • February 2025 - March 2025

- Built a machine learning model to predict heart disease risk using real-world health data from Kaggle, applying supervised learning techniques.
- Performed data preprocessing and feature selection to improve model accuracy and reduce bias in predictions.
- Evaluated multiple models to identify the best-performing one and documented the process as it was end-to-end ML project.

Image Recognition System

Academic Project • February 2025 - March 2025

- Designed and trained a neural network to accurately recognize and classify facial images from a dataset.
- Utilized machine learning frameworks like TensorFlow to optimize performance and improve prediction reliability.
- Focused on achieving high accuracy through iterative model tuning, validation, and testing techniques

Health Hub – Doctor Appointment & Health Community Platform

Academic Project • February 2022 - June 2022

- Designed and developed a full-stack web application that allows users to book doctor appointments and access healthcare services online.
- Integrated community features such as group discussions and chat functionalities to support health-related conversations and peer engagement.
- Focused on enhancing healthcare accessibility and creating a supportive platform for health awareness and communication.

EDUCATION

Master of Information Technology

James Cook University • Brisbane, QLD • 2024

- Gained comprehensive knowledge and practical skills in computing and networking, including programming, database management, network design and administration, internet technologies, and system troubleshooting on both Linux and Windows platforms, while

completing advanced coursework that combined theoretical foundations with hands-on projects to prepare for real-world IT environments and support roles.

BSc. Hons. Computer Science and Software Engineering
Major in Software Development• PCPS College • Kathmandu, Nepal • 2021

CERTIFICATIONS

Machine Learning & AI Bootcamp
ZTM Academy • 2025
 • Hands-on projects using TensorFlow & PyTorch in supervised/unsupervised learning, NLP, computer vision, and recommender systems

Workplace Safety
SafetyCulture • 2025
 • Gained training in hazard identification, HSE laws, and digital safety tools.

MERN Stack Development
Udemy • 2021
 • Built dynamic full-stack web applications using MongoDB, Express.js, React, and Node.js. Gained practical skills in REST APIs, authentication, and deployment.

Introduction to Cybersecurity
Cisco Networking Academy • 2021
 • Covered cyber threats, cryptography, firewalls, risk management, and vulnerability assessment in enterprise networks.

SKILLS

Technical Skills: Web Development, Web Design, Data Analysis, Machine Learning, IT Support, CRM Systems, Ticketing Systems, Configuration, Troubleshooting, Jupyter Notebook, Git, Visual Studio Code, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Languages (Python, C#, JavaScript, HTML, CSS)

Soft Skills: Clear Communication, Team Collaboration, Technical Documentation, Adaptability, Team Leadership and Team Management

REFERENCE

Available on Request.