

# Bivek Karki

## AI & Web Developer

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## PROFILE

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Frontend Developer and current Master of Data Science student at Charles Darwin University, with hands-on experience in React, Next.js, Tailwind CSS, TypeScript, and Python. Skilled at building responsive, user-friendly web applications and integrating AI tools, chatbots, and RESTful APIs. Academic background in machine learning and data science including image classification projects using deep learning, complemented by real-world development experience. Able to work independently and collaboratively, with a strong willingness to learn, solve problems, and contribute to real-world digital projects.

## SKILLS & TECHNOLOGIES

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**Languages:** JavaScript, Python, Java, C++

**Frontend:** React, Next.js, Tailwind CSS, TypeScript, HTML, CSS, Bootstrap, jQuery

**Backend & APIs:** Django, Spring Boot, RESTful APIs, Node.js

**AI & ML:** TensorFlow, PyTorch, scikit-learn, image classification, AI tools and automation

**Databases:** PostgreSQL, MySQL, Oracle Database, SQLite

**Tools & DevOps:** Git, GitHub, Linux, Windows, macOS

**Other:** Agile/Scrum, version control workflows, code reviews

## PROFESSIONAL EXPERIENCE

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### Kalodhunga Creation Pvt. Ltd, Frontend Developer

*Jun 2024 to Dec 2024, Kathmandu*

- Developed and maintained company websites using React and Tailwind CSS, ensuring fully responsive and user-friendly experiences.
- Integrated backend functionality with Django, implementing RESTful APIs and server-side logic for seamless front-end interactions.
- Built and deployed the Nagarik Rojgar job platform with job listings, user authentication, search filters, and application tracking.
- Managed project structures using Git with branches, pull requests, and code reviews to maintain high-quality collaborative code.

### Ipay Remit, Frontend Developer Intern

*Aug 2022 to Nov 2022, Kathmandu*

- Designed and implemented responsive UIs using HTML, CSS, JavaScript, jQuery, and Bootstrap for optimal cross-device performance.
- Collaborated with the backend team to integrate front-end components with Java Spring Boot APIs.
- Enhanced user experience through interactive features and efficient resolution of UI-related issues.
- Gained full-stack exposure by contributing to both client-side and server-side application development.

## KEY PROJECTS

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### Kalodhunga Creation Website: React + Django, Company Project

2025

- Built a fully responsive company website integrating React frontend with Django backend.
- Integrated dynamic APIs for real-time content updates and user interaction handling.

### Nagarik Rojgar: Job Platform, React + Django, Company Project

2025

- Contribute in building a job-seeker and employer platform with listings, user auth, search filters, and application tracking.
- Implemented real-time data updates via API integration for a smooth user experience.

### Futsal Management System: Django, Final Year Project

2024

- Developed a full-featured futsal booking system with Khalti payment gateway integration.

- Followed Agile methodology from planning through delivery.

## EDUCATION

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**Charles Darwin University:** Master of Data Science (In Progress) *2025 to Present, Sydney, NSW*

- Coursework covers data analytics, machine learning, software engineering, and database systems.
- Working with scikit-learn, Pandas, Matplotlib, and PostgreSQL across coursework projects.

**Herald College Kathmandu:** BSc (Hons) Computer Science *Jun 2021 to Jun 2024, Kathmandu*

- Final Year Project: Futsal Management System (Django, full-stack web application).
- Collaborative Development: Web-based Water Billing System, team of 5, Django.
- OOP Project: Course Management System using Java Swing.
- AI/ML Project: Built an image classification model using deep learning (Python, TensorFlow/PyTorch) to classify visual data with high accuracy.

## Key Strengths

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- Strong interest in AI, automation, and web development
- Quick learner with good problem-solving skills
- Able to work independently and in a team environment
- Good understanding of responsive design and user experience
- Comfortable learning new tools, frameworks, and technologies
- Reliable, organized, and motivated to gain real industry experience

## ADDITIONAL INFORMATION

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Currently based in Auburn, NSW and available to work in Sydney immediately. Open to internship or part-time arrangements with flexibility to suit project requirements.