

GIRWAN BABU KOIRALA

Programmer

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 [LinkedIn](#) | [GitHub](#)

CAREER OBJECTIVES

Aspiring to leverage and expand my technical skills in a dynamic environment, I am eager to grow my career at a company that values innovation and continuous learning. As a highly motivated individual with a passion for personal and professional development, I am committed to challenging myself and expanding my horizons. I pride myself on being responsible, organized, and dedicated to achieving excellence in all my endeavours.

EDUCATION

BSc(hons) in Computing

2022-present

Islington college

London Metropolitan University

Kamal marga, Kamalpokhari, Kathmandu

SLC

2018-2020

JANA MODEL SECONDARY SCHOOL

NEB

Birendranagar, 6, Surkhet

SEE

2017-2018

JANA MODEL SECONDARY SCHOOL

NEB

Professional Experience

QA Intern – Nipuna Prabidhik Sewa (P) Ltd, Pokhara Aug 2024 – Jan 2025

- Conducted quality assurance testing for web and mobile applications.
- Collaborated with developers to identify and resolve software bugs.
- Created and maintained detailed test cases and reports.
- Performed manual and functional testing to ensure high product quality.

Technical and Interpersonal Skills

- **Programming Languages:** JavaScript, TypeScript, Python, Java
 - **Frameworks & Libraries:** React.js, Next.js, .NET
 - **Software & Tools:** Visual Studio Code, Eclipse IDE, Sublime Text, Jupyter Notebook
 - **Web Technologies:** HTML, CSS, MySQL, SQL*Plus
 - **Operating Systems:** Windows, macOS
 - **Strong verbal and written communication skills**
 - **Time management and task prioritization**
 - **Excellent interpersonal skills for teamwork and collaboration**
 - **Adaptability to new technologies and environments**
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PROJECTS

Expense Tracking App

- **Technologies Used:** .NET 9, MAUI Blazor, MudBlazor, Visual Studio 2022
- Developed a robust expense tracking application with features for managing income, expenses, and debt tracking
- Implemented **income tracking** with search and sorting by date
- Designed **expense tracking** with search and sorting by date; expenses reduce the total income automatically
- Integrated **debt tracking** with search and sorting by date; when a debt is paid, it is deducted from the total income
- Developed a **dashboard** displaying total income, expenses, debts, paid debts, remaining debts, highest and lowest transactions
- [GitHub Repository](#)

Doctor Appointment Web App

- **Technologies Used:** React, TailwindCSS (Frontend)
- Developed a fully responsive and functional doctor appointment booking system
- Users can select doctors based on specialty and book or cancel appointments
- Optimized for various screen dimensions to ensure seamless user experience
- [GitHub Repository](#)

React Weather App Using Api

- Technologies Used: React.js, Tailwind CSS, JavaScript
- Developed a user-friendly interface for displaying weather data.
- Integrated OpenWeather API to fetch real-time weather information.
- Implemented a search functionality that allows users to look up weather data by city.
- Project Link: [Weather Application](#)
- Hosted Nectify Website: <https://velvety-crepe-84bf1e.netlify.app/>

UI/UX prototype design for Weather application with interaction

- Designed a Weather Application Demo using Figma
- Enhanced interactivity: Integrated interactive elements to improve user engagement and experience.
- View the project: [Weather Application Demo](#)

Dynamic E-commerce Website Development

- Technologies Used: Java Servlet, JSP, MySQL (XAMPP)
- Developed an online platform for selling headphones, leveraging Java Servlet and JSP technologies to create a dynamic and interactive user experience.
- Managed the backend database using MySQL in XAMPP, ensuring reliable data storage and retrieval for seamless e-commerce operations.
- Project Link: [Headphone Shop Website](#) [Gadget Shop Database Prototype](#)
- Technology Used: SQL*Plus
- Managed all database operations using SQL*Plus, ensuring efficient data storage, retrieval, and overall database performance.
- Project Link: [Gadget Emporium](#)

Stock Tracking System (Python)

- Technologies Used: Python
- Developed a comprehensive stock tracking system tailored for a computer shop, ensuring efficient inventory management.
- Implemented features to generate individual transaction bills and automate the saving of these records as files.
- Project Link: [Python Computer Shop Management System](#)

Bonsai tree Online Shop

- Technologies Used: HTML, CSS, JavaScript
 - Designed and developed the front-end using HTML and CSS to create a visually appealing and responsive user interface.
 - Implemented back-end functionality using JavaScript to enhance interactivity and user experience.
 - Project Link: [Bonsai Tree Front-End Website](#)
- Exploratory Data Analysis and Visualization**
- Technologies Used: Python, pandas, NumPy, matplotlib
 - Conducted comprehensive exploratory data analysis, including data cleaning, statistical analysis, and visualizations, to uncover insights into salary trends and job market dynamics.
 - Developed Python scripts for advanced data manipulation tasks, including handling missing values, removing duplicates, renaming columns, and calculating summary statistics (mean, standard deviation, skewness, kurtosis) to ensure data quality for in-depth analysis.
 - Project Link: [Exploratory Data Analysis and Visualization in Jupyter](#)
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TRAINING/CERTIFICATIONS

AWS Academy Machine Learning Foundations	2023
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AWS

https://www.credly.com/badges/0f4808cd-c773-4cd1-b327-cf1aa033803d/public_url

AWS Academy Cloud Foundations	2023
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https://www.credly.com/badges/0933901f-3d88-4198-ab49-7e2855538094/public_url

AWS Academy Data Engineering	2023
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https://www.credly.com/badges/78f66768-337a-44ee-a42d-9233b5d02bbe/public_url

AWS Academy Machine Learning for Natural Language Processing	2023
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https://www.credly.com/badges/19821c70-0ab7-4712-8c30-1b8ec9703773/public_url

Full Stack Developer Certification	2024
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Byte brains

<https://drive.google.com/file/d/1MexTURRRyr7EuHc1AWgcOqap2-0ugybE/view?usp=sharing>

REFERENCES

Available on request