

# Nischal Basnet

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Computer Science graduate with experience in GIS systems, web development, and data-driven applications. Interested in advancing knowledge in Data Analytics and Business Intelligence to apply data-driven decision-making in sustainable systems

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## Education

**Bachelor's degree of Science in Computer Science & Information Technology, Nepalaya College, Tribhuvan University of Nepal. (2017-2022)**

**Relevant Coursework:** *Statistics I & II, Object Oriented Programming, Data Structure and Algorithms, Numerical Method, Database Management System, Artificial Intelligence, Design and Analysis of Algorithms, Simulation and Modeling, Advanced Java Programming, Advance Database.*

**Scored Percentage: 66.67%**

**High School Diploma, National Education Board (NEB) of Nepal from Vishwa Adarsha Secondary School (2015-2017)**

**Scored Percentage: 66.30%**

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## Work Experience

**Developer -2023-ongoing**

**Five Eye Geotech Engineering Solutions**

- Designed and developed a **GIS-based web platform** for managing government licenses.
- Integrated **interactive maps** and spatial data visualization for license distribution and monitoring.
- Improved performance and scalability through **data optimization and testing**.
- *Tech Stack: React, Next.js, Python, ArcGIS/QGIS*

**Developer -2023**

**Care Info Solutions**

- Built a **dynamic listing platform** to promote agritourism businesses and connect them with visitors.
- Developed user-friendly features such as **filtering, booking, and content management**.
- Collaborated with backend developers to ensure **data consistency and smooth integration**.
- *Tech Stack: React, Next.js, Tailwind CSS, REST APIs*

**Intern -2022**

**Elisha Engineering Works**

- Assisted in **software development and technical documentation** for engineering solutions.
  - Supported the team in **testing, debugging, and application maintenance**.
  - Gained hands-on experience applying **software engineering principles** in real-world projects.
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## Projects

**E-Waste Management System – Final Year Project**

**Nepalaya College - 2021**

- Developed a web-based system to manage the collection, categorization, and recycling of e-waste.
- Designed a database schema for analyzing waste types, collection frequency, and recycling trends.
- Implemented features for user registration, waste reporting, and disposal tracking.
- Tech Stack: Python, MySQL, JavaScript, HTML/CSS

## Personal Portfolio Website

Independent Project

- Designed and deployed a personal portfolio website to showcase academic and professional work.
  - Tech Stack: Next.js, Material-UI, Tailwind CSS, GitHub Pages
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## Skills

- **Programming & Web:** Python, JavaScript, React, Next.js, Tailwind, Material-UI
  - **Data & Analytics:** SQL, Pandas, Data Visualization (Matplotlib, Power BI basics)
  - **GIS & Mapping:** ArcGIS
  - **Testing & Performance:** Postman
  - **Other Tools:** Git/GitHub, Excel for Analytics
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## Certifications

- IELTS -7.5
  - CISCO Data Analytics Essentials (Ongoing)
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## Reference

**Mr. Shyam Shrestha**

HOD, BSc. CSIT Program, Nepalaya College

**Mr. Ananda KC.**

Lecturer, BSc. CSIT, Nepalaya College

**Mr. Sameer Dhamala**

Principal, Nepalaya College