

# Nirajan Bist

Kathmandu, Nepal

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## EDUCATION

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**London Metropolitan University (Islington College, Nepal)**

**2025 – Present**

*Bachelor of Science (Hons) in Computing*

**Seneca Polytechnic, Canada**

**2023 – 2025**

*Diploma in Computer Programming*

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, C, C++, Golang, SQL

**Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap

**Backend:** Node.js, Express.js, REST APIs

**Databases:** PostgreSQL, MongoDB

**Tools & Platforms:** Git, GitHub, Figma, Jira, Microsoft Project

## PROJECTS

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**Car Blog Web Application** | *Node.js, Express.js, PostgreSQL, Bootstrap, Cloudinary, Vercel*

**2024**

- Developed a full-stack web application for automotive content management with complete CRUD for articles, categories, and authors, including admin and public-facing views.
- Built a secure image upload pipeline using Multer and Cloudinary for storage, resizing, and CDN delivery.
- Designed a relational database schema using PostgreSQL and Sequelize ORM, optimizing multi-table content queries.

**Movie & Museum Explorer Web Applications** | *Next.js, React.js, Express.js, MongoDB, SWR, JWT*

**2024**

- Built a Movie Explorer with JWT authentication, protected routes, and a favorites and watch-history system persisted in MongoDB.
- Developed a Museum Explorer with server-side rendering via Next.js, paginated results, and real-time search using SWR.
- Created reusable UI components shared across both apps, reducing duplication and ensuring consistent design.

**Olympics Data Processing System** | *Python, Data Structures and Algorithms*

**2024**

- Processed and cleaned large-scale Olympic datasets by resolving inconsistencies, removing duplicates, and standardizing formats across multiple CSV sources.
- Implemented binary search and hash-map algorithms to optimize data retrieval; merged historical records with Paris 2024 athlete data in a 3-person team.

## ACHIEVEMENTS

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**Seneca Polytechnic**

**2024**

*President's Honour List*

- Awarded the President's Honour List for achieving a GPA in the top academic tier of the Computer Programming diploma program.