

Avishek Karn

KALYANPUR-12 KATI, SIRAHA, MADHESH PARDESH, 56500, NEPAL
(+977) 9825731584 | avishek.np09@gmail.com
[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Professional Summary

Passionate and driven Computer Science student with a strong foundation in programming (**C and Python**) and a **deep interest in AI, machine learning, and Web Development**. **Skilled in problem-solving** and eager to apply technical expertise to innovative projects, contributing to the success of a forward-thinking organization.

Education

- **NOIDA INTERNATIONAL UNIVERSITY, GREATER NOIDA; Bachelor of Engineering - BE, Computer Science and Engineering (Artificial Intelligence and Machine Learning)**
 - Jun 2023- Present
 - **TRITON INTERNATIONAL COLLEGE, KATHMANDU; High School (+12 Science)**
 - May 2019- Nov 2021
 - Graduate with a 3.06 GPA, Bearing Good Moral Character.
 - **Mount Everest Secondary Boarding School, Siraha; Schooling (up to Grade 10)**
 - Apr 2006- Mar 2019
 - Graduate with a 3.50 GPA, President of Students' Assembly.
-

Technical Skills

- **Programming Languages:**
 - **C & C++** – **Strong grasp** of low-level programming, memory management, and performance optimization.
 - **Python** – **Proficient** in using Python for data analysis, machine learning, and **developing AI models**.
 - **Web Development:**
 - **Frontend: HTML5, CSS, JavaScript, React** – Developed dynamic and responsive user interfaces.
 - **Backend: Node.js, MongoDB** – Built and maintained robust, **scalable web applications**.
 - **Deployment & Version Control: Git/GitHub, Vercel, Render** – Managed source control and streamlined deployment processes.
 - **AI/ML & Natural Language Processing:**
 - **Machine Learning Frameworks:** Familiar with **TensorFlow, PyTorch**, and **scikit-learn** for building and training models.
 - **NLP Techniques:** Experience with **tokenization, word embeddings**, and **sequence modelling** using library like **NLTK**.
 - **Data Structures & Algorithms:**
 - A **strong foundation** in DSA that supports efficient **problem-solving and optimal code design**.
-

Projects

- **Self-Trained AI Chatbot** - [GitHub Link](#)

Python, NLP, Numpy, Torch, NLTK

Developed a self-contained AI chatbot using Python and deep learning frameworks. The project involved gathering conversation datasets, **preprocessing text data, designing and training a neural network for sequence prediction, and implementing a real-time chat interface.**

- **Mastered key NLP concepts** such as tokenization, embeddings, and sequence modelling.
- **Gained deep insights into neural network architecture design, training dynamics.**
- **Real-Time ML model deployment**

- **AI-APP (API Integration)** - [Live Link](#)

Gemini API, React.js, JavaScript

Integrated the Gemini AI API into a modern React application to create an interactive, intelligent service interface. This project showcased **dynamic user interactions by bridging a third-party AI service** with front-end components.

- **Developed proficiency in API integration and asynchronous data handling** in React.
- Learned the intricacies of **connecting external AI services with web applications.**

- **Quiz Game-React** - [Live Link](#)

React.js, JavaScript

Built a **dynamic quiz web application using React** that features multiple categories, real-time score tracking, and dynamic IQ metric calculations based on user performance.

- State management and hooks in React.
- Enhanced skills in creating **engaging, user-friendly interfaces and interactive experiences.**
- **Improved my debugging and problem-solving techniques** in a JavaScript-centric environment.

- **My Portfolio** - [Live Link](#)

HTML5, CSS3, JavaScript, React.js

Crafted a modern, responsive online portfolio using React to showcase projects, skills, and contact details.

- Refined my **skills in responsive design, user experience optimization, modern CSS/HTML5 and full-stack web development.**
- **Enhanced my ability to integrate multiple technologies** into a seamless, deployable product.

Employment History

Tutor (Science | Mathematics | Computer Fundamentals)

Private tutoring for grades 8, 9 & 10.

- Tutored 90+ classes.

- Motivated and supported students to improve morale and engagement.
 - Introduced e-learning apps.
 - **Gained skills in communication and perseverance.**
-

Key Achievements

- **Social Justice** - Self-Organized and People Collaboration. (Siraha)
 - Apr 2020

Organizing member, Awareness campaign & Candle march led a candle march in the justice of Nirmala Panta (raped & murdered); collaborated with local govt. & police; 200+ locals participated.

- **Journalism/Publication**
 - Mar 2019

Editor, Private Blog - Utopia! Logolepsy is my voice Published 8+ poems; brainstorm photo poetry and artistic expression; Appreciated by high school & Salhesh Times (Local media)

Strength

- **Teamwork**
 - Ability to work collaboratively in a team setting
 - **Leadership**
 - Proven leadership skills and management ability
 - **Interpersonal Communication**
 - Strong interpersonal communication skills
 - **Flexibility**
 - Ability to be flexible and adapt to new situations
-

*******THANK YOU*******