




Naman Bikram Karki

Software Developer | Machine Learning Enthusiast

Maitidevi, Kathmandu • 9863438750 • namankarki.nbk@gmail.com

 @ <https://www.linkedin.com/in/namanbikramkarki/>  @ <https://github.com/NamanKarki-nbk>
 <https://namanbikramkarki.vercel.app/>

Enthusiastic and adaptable Computer Science student in the final semester of B.Sc. CSIT. Skilled in backend development with TypeScript, Express, and PostgreSQL, and passionate about data-driven solutions. Eager to grow in the fields of data science and machine learning, with hands-on experience in building real-world applications and leading tech events.

EXPERIENCE

Apex Hackathon Winner

Feb, 2023 - Feb, 2023

- Developed an Air Pollution Detection System using Arduino and a pollution detector sensor to collect Realtime air quality data.
- Integrated sensor data via serial port communication and processed it using Django for backend management.
- Designed an interactive React frontend to visualize real-time pollution levels and trends.
- Built an eco-friendly air purifier using moss, leveraging its natural ability to filter pollutants.
- Secured 1st place for innovative real-world impact and seamless full-stack + hardware integration.

TechTrix Organizer (Voluntary Experience)

Kathmandu

Sep, 2023 - Sep, 2023

- Served as Event Lead for TechTrix, managing logistics and coordination.
- Organized speaker sessions, coding contests, hackathon and technical workshops.
- Ensured smooth execution of the 3-day tech event with 500+ attendees.

EDUCATION

+2, Science

Kathmandu

Uniglobe SS College

Jun, 2017 - Apr, 2020

Graduated With Grade A

Bsc.CSIT

Kathmandu

New Summit College

Mar, 2021 - Present

Currently on 8th Semester. (expected to graduate within 3 months)

PROJECTS

GamePlan - Football Video Analysis System

GamePlan is an advanced football video analysis system that detects and tracks players, referees, and the ball using ByteTrack and Optical Flow. It assigns teams using SigLip, UMAP, and KMeans clustering, estimates camera movement, and calculates speed and distance using Perspective Transformation.

https://github.com/NamanKarki-nbk/Game_Plan

Movie Finder App

A simple movie search app built with React.js and Appwrite that allows users to search for movies and view the most popular ones.

<https://github.com/NamanKarki-nbk/MovieApp>

Social Media App

A modern social media application built with React, Tailwind CSS, Node.js, Express, and MongoDB. This platform allows users to connect, share posts, like, comment, and follow other users.

<https://github.com/NamanKarki-nbk/Social-Media-App>

GatiSunya - Parking Management & Sharing App

GatiSunya is an innovative parking management and sharing application, similar to ride-sharing apps but tailored for parking spaces. Developed using the MERN (MongoDB, Express.js, React, Node.js) stack, this project was created during ASCOL Hackfest by our team.

<https://github.com/NamanKarki-nbk/GatiSunya>

SKILLS

JavaScript/Node js/ Express js/ React, MySQL / Postgre / MongoDB, Python, Data analysis and Visualization: Pandas, Numpy, scikit-learn, matplotlib, seaborn