



Aaryan Basnet

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● ABOUT ME

A passionate and curious Full-Stack Developer with a relentless drive for continuous learning and innovation. With a strong foundation in developing dynamic, scalable applications and a growing interest in machine learning, I aspire to bridge the gap between software engineering and AI technologies. My journey is defined by embracing challenges, mastering emerging technologies, and refining my skills to deliver impactful solutions. I am committed to contributing to advancements in AI and machine learning while inspiring others through curiosity, perseverance, and a growth-oriented mindset.

● WORK EXPERIENCE

10/12/2024 – CURRENT kathmandu , Nepal

BACKEND DEVELOPER/ML DEVELOPER (PART-TIME) NEURALEVO

- Developed a PDF-to-podcast audio generation pipeline for the Seamless Learn website, enabling seamless conversion of PDFs into engaging audio content.
- Integrated the OpenAI API to significantly accelerate literature review generation, streamlining content processing workflows.
- Engineered backend optimizations that reduced server load and decreased response times by 20% during scholarship recommendation delivery.

01/10/2024 – 31/10/2024 Tokyo, Japan

BACKEND DEVELOPER INTERN CORPY&CO

- Selected for the METI Internship program, with Corpy & Co. as the host company.
- Maintained existing APIs and wrote functions to perform Exploratory Data Analysis (EDA) for brightness analysis on image datasets, contributing to the Confide project's data processing pipeline.
- Assisted in creating policies to enhance security and functionality within existing Confide project functions.
- Modified and optimized pre-existing database models, writing scripts to seamlessly deploy updated models to production servers, ensuring smooth integration of model adjustments into the live environment.

10/01/2024 – 31/08/2024 kathmandu, Nepal

BACKEND DEVELOPER NEURAL EVO

- Integrated and maintained custom large language models (LLMs) for clients using LangChain, ensuring optimized model performance and seamless client interactions.
- Managed and deployed backend infrastructure on AWS with NGINX for load balancing and reverse proxy, improving scalability and system reliability.
- Developed and implemented voice-to-text transcription algorithms, feeding data into a custom LLM model to enhance application accuracy for client-specific needs.

07/09/2023 – 01/11/2023 kathmandu, Nepal

WEB DEVELOPER B.SAWARI

- Develop and maintain robust APIs for a ride-sharing application to ensure seamless functionality and optimal user experience.
- Design and implement a frontend website for vendors to facilitate streamlined delivery management and customer interactions.
- Integrate GPS data from delivery scooters to enable real-time tracking, utilizing this data for insightful analysis and visualization on the frontend.

● EDUCATION AND TRAINING

01/03/2021 – 01/05/2024 Coventry , United Kingdom

BSC.COMPUTING (HONS) Coventry University

Website <https://www.coventry.ac.uk/> | **Level in EQF** EQF level 6

VOLUNTEERING

10/09/2022 – 10/03/2023 Kathmandu

IT club of softwarica collage

- Organized a "Capture the Flag" event for networking students, fostering practical cybersecurity skills and hands-on experience in competitive settings.
- Coordinated an AI panel discussion featuring renowned AI researchers from Nepal, facilitating valuable insights and discussions on advancements and trends in artificial intelligence.
- Led the organization of the Hult Prize competition on campus, providing a platform for student innovation and entrepreneurship in alignment with global social impact challenges.

HONOURS AND AWARDS

10/11/2023

DeerHack 2023 IOT track winner – Deerwalk institute of technology

- Participated in the DeerHack Hackathon and won the IoT Track Award for developing a post-blood-donation monitoring and blood condition recording system. This application enabled real-time tracking of donor health metrics and ensured accurate logging of blood conditions for safe and efficient use in medical applications.

DIGITAL SKILLS

Python | Fastapi | react | TensorFlow | R Studio | opencv | node.js