

Brojen Gurung

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Objective

AI and Full-Stack Developer with a strong foundation in building real-world projects such as tourism chatbots, medical assistants, and image generation tools. Experienced in working with LLMs, React ecosystems, and cloud tools. Seeking a paid internship opportunity to contribute to impactful AI/ML or software development teams while expanding my practical and collaborative skills.

Education

BTech – Information Technology

Sikkim Manipal Institute of Technology (SMU) | 2022–2026

CGPA: 6.5 / 10 (Pursuing)

Senior Secondary (Science)

Tashi Namgyal Senior Secondary School (CBSE), Gangtok | 2022

Secondary (Class X)

Holy Cross School, Tadong (CBSE), Gangtok | 2020

Technical Skills

- **Languages:** Python, C++, JavaScript, TypeScript
- **Frontend:** HTML, CSS, React, Tailwind CSS, Vite, Streamlit
- **Backend & Cloud:** Node.js, Express, Flask
- **Database:** MongoDB, Firebase Firestore
- **AI&ML:** LLaMa2/3, Langchain, IBM Watson AI, Hugging Face, NLP, Stable Diffusion
- **Data Handling:** Pandas, NumPy, TensorFlow, Web Scraping, Metadata Structuring, Text Vectorization
- **Dev Tools:** Git, GitHub, VS Code, Google Colab, Figma, Canva, CUDA, Postman, Vercel

Projects

- **Gurumurti Decorators – Client Website:** Built a modern business website using React, TypeScript, Tailwind CSS, and Vite. Hosted on Vercel with a custom domain via Namecheap. Optimized metadata and SEO for visibility.
- **Sikkim Tourism Chatbot – AI-Powered Travel Assistant:** Created a multilingual tourism chatbot for Sikkim using IBM Watson + LLaMA3 backend. Integrated with taxi fare data and built the frontend with Streamlit.
- **AI Wallpaper Generator (Stable Diffusion):** Built a custom local image generator with Stable Diffusion using RTX 3050 + CUDA. Added personalized prompting logic and facial detection for future styling.
- **YOLO-Based Fault Detection in Solar Panels:** Team project for fault detection in PV cells. My role focused on image dataset collection and manual annotation for accurate YOLO model training.
- **Virtual Assistant (Python + JSON):** Built a basic command-line chatbot for the Dept. of IT, Govt. of Sikkim. Used JSON-based knowledge base and Python logic for query resolution.
- **Flappy Bird Clone – Game Development:** Developed an endless runner in Unity with C#. Learned game physics, animations, and UI logic as an intro to interactive systems.

Certifications & Achievements

- Internship – Dept. of IT, Govt. of Sikkim (Remote)
- Finalist – GDSC SMIT UI Redesign Challenge
- Built & hosted multiple full-stack projects independently
- Contributing to open-source AI chatbot repositories (MediBot AI)

Interests

Sports (Badminton, Basketball), Gym & Outdoor Fitness, Music & Tech Exploration, Building cool, weird projects for fun