BINIT NEPAL

Kathmandu, Nepal

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Motivated and detail-oriented computer science graduate with a strong foundation in web development, artificial intelligence, and data analysis, as well as experience in teaching.

EDUCATION

BSc.CSIT - Computer Science and Information Technology 2019 – 2024
Tribhuvan University, New Summit College *Kathmandu, Nepal*
  70.6%

COURSEWORK

- React
- JavaScript
- Php
- DBMS
- CSS
- Html
- C++
- Software Engineering
- Oops Concepts
- Computer Networks
- Operating Systems

SKILLS

- Programming Languages: Python, JavaScript, TypeScript.

- Web Development: HTML, CSS, React, Next.js, Tailwind CSS.

- AI Data Science Tools: Pandas, NumPy, Scikit-learn, TensorFlow, LangChain.

- Databases: MongoDb, SQL Server, PostregsSql.

- Other Tools: Git, Docker, Canva.

PROFESSIONAL EXPERIENCE

Web + AI Engineer Dec 2024 – Present
Frame Box *Kathmandu, Nepal*
- Developed AI-powered web applications integrating machine learning models with Next.js.
- Built a CMS-based chatbot to enhance user engagement and streamline content delivery.
- Collaborated with cross-functional teams to deliver scalable solutions for complex problems.
- Conducted exploratory data analysis and optimized AI model performance.

GenAI and Data Science Intern Sept 2024 – Dec 2024
Innomatics Research Lab *Remote*
- Conducted statistical analysis and developed AI models for resume evaluation and ATS optimization.
- Created innovative projects such as:
- **- Sight Assist:** A visual assistance application leveraging LLMs for accessibility.
- **- Python Code Reviewer:** Automated code review tool using LangChain.
- **- Chatbot and Data Analysis:** Designed and implemented intelligent chatbot solutions with advanced analytics.
- Collaborated with senior data scientists to integrate data pipelines and optimize machine learning workflows.
- Delivered insights through exploratory data analysis of diverse datasets.

Web Developer and Data Analyst Mar 2023 – Sept 2024
Code Point Nepal *Kathmandu, Nepal*
- Developed and maintained an e-learning platform leveraging Next.js for personalized learning experiences.
- Integrated machine learning algorithms for tailored educational recommendations.
- Performed data analysis to optimize platform engagement and learning outcomes.
- Streamlined development workflows through efficient use of modern tools and technologies.

TEACHING EXPERIENCE

Guest Lecturer (Non-Credit Course) July 2024 – Present
Southwestern State College and Morgan College *Kathmandu, Nepal*
- Delivered comprehensive lessons on HTML, CSS, JavaScript, and modern frameworks like React and Next.js.
- Mentored students in practical projects, enhancing their understanding of web development concepts.

WORKSHOPS AND INITIATIVES

AI Workshop Coordinator (Student Quality Circle - SQC)
Sept 2024

Bright Future School
Kathmandu, Nepal

- Conducted a hands-on AI workshop for 8th to 10th-grade students focusing on prompt-based and outcome-based learning.
- Introduced tools like Teachable Machine and ChatGPT for accessible learning.
- Mentored students in enhancing their basic understanding of Artificial Intelligence, Machine Learning and LLMs concepts.

TechTrix Organizer
2023 and 2024

New Summit College
Kathmandu, Nepal

- Organized a tech fest featuring AI, data science, and web development tracks.
- Facilitated knowledge-sharing sessions and coding competitions for students.

3rd TU BSc.CSIT Basketball Tournament
2024

Tribhuvan University — New Summit College
Kathmandu, Nepal

- Organized biggest CSIT and BCA Inter-College Basketball tournament under Tribhuwan University.

CSITAN GoalFest Organizer
2023

CSIT Association Of Nepal
Kathmandu, Nepal

- Organized biggest CSIT Inter-College Futsal tournament participation 25+ teams.

CERTIFICATIONS

Innomatics Research Lab – **Data Science with GenAi**
2024

Coursera – **Programming for Everybody (Getting Started with Python)**,

Introduction to Bash Shell Scripting
2020

PUBLICATIONS

Medium Article:
2024

- "Evolution of Language Representation Techniques: A Journey from BoW to GPT"
- "Explored advancements in language representation techniques and their applications in modern AI systems"

ACHIEVEMENTS

- Published exploratory data analysis insights for diverse datasets at Innomatics Research Lab.

- Successfully conducted AI workshops and taught web development to non-credit course students.

- Played a pivotal role in developing personalized learning features for an online platform using machine learning.

- Built a CMS-based chatbot for Frame Box, enhancing user engagement.

- Created innovative AI projects such as Sight Assist and Python Code Reviewer.

- Captained my college cricket team and led my semester to the finals of the inter-semester cricket tournament for two consecutive years.