

SagyanNiraula

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Gatthaghar, Bhaktapur, Nepal, 44800,Nepal

OBJECTIVE

Dedicated and enthusiastic software engineering student with hands-on experience in software development, artificial intelligence, and machine learning. Eager to contribute to a dynamic team and apply technical knowledge in a practical setting.

EXPERIENCE

- **Global Pathshala Pvt Ltd** April 2023 – April 2024
IT Manager
Bhaktapur, Nepal
 - Managed and maintained IT infrastructure, ensuring smooth and secure operations across the organization.
 - Provided technical support and troubleshooting for hardware, software, and network issues.
 - Implemented IT policies and procedures to enhance system performance and data security.
 - Coordinated with external vendors for the procurement of IT equipment and services.
 - Conducted training sessions for staff on new technologies and best practices in IT.

EDUCATION

- **BSc (Hons) Software Engineering**
University of Northampton
2022 - Present
- **Liverpool S.S College**
NEB
 - GPA: 3.2/4.00
- **Global Pathshala**
Secondary Education
 - GPA: 3.15/4.00

PROJECTS

- **Tomato-Plant-Diseases-Predictor:**
Tools: TensorFlow, React Native, Expo
 - Leveraged TensorFlow to develop a CNN-based model for detecting tomato plant diseases from images
 - Developed a mobile app using React Native and Expo, providing farmers with a user-friendly interface for real-time disease prediction
 - Enhanced disease detection accuracy, aiding in early diagnosis and reducing crop losses
- **Online Auction House:**
Tools: JavaScript, Node.js
 - Created a real-time auction platform, allowing users to place bids and track auction progress
 - Implemented live bidding and auction timers to enhance user experience
 - Designed a user-friendly interface to streamline auction interactions
- **Emotion Detection with Mask Recognition:**
Tools: Python, OpenCV, TensorFlow, Keras
 - Developed a model for detecting emotions from images of masked individuals, improving accuracy through advanced data preprocessing techniques
 - Enhanced system robustness in handling partial facial visibility
 - Integrated the emotion detection system into real-time applications for public safety and customer service

SKILLS

- **Programming Languages:** Python, JavaScript, PHP
- **Web Technologies:** HTML, CSS, Tailwind CSS, React Native, Node.js
- **Database Systems:** MySQL, MongoDB, Neo4j
- **Data Science & Machine Learning:** TensorFlow, Keras, scikit-learn, Pandas, NumPy
- **DevOps & Version Control:** Docker, Git
- **Specialized Area:** Computer Vision, Image Recognition, Real-Time Data Processing
- **Other Tools & Technologies:** OpenCV, Pillow, Pytesseract
- **Research Skills:** Literature Review, Data Analysis, Experimentation, Documentation, Presentation

CERTIFICATIONS

<div><div>• Data Analysis with Python</div><div>Issued by freeCodeCamp</div></div>	Jul 2024
<div><div>• Machine Learning with Python</div><div>Issued by freeCodeCamp</div></div>	May 2024
<div><div>• React Native</div><div>Issued by Coursera</div></div>	Aug 2023
<div><div>• Version Control</div><div>Issued by Coursera</div></div>	May 2023

ADDITIONAL INFORMATION

Languages: Nepali (Proficient), English (Fluent), Hindi (Intermediate)
Interests: Cricket, Football, Video Games, Programming, Books, Traveling