Hari Krishna Khuju

krishnakhuju707@gmail.com |+977(986)-346-1246| harikrishnakhuju.com.np/ |Kamalbinayak-10, Bhaktapur

SUMMARY

I am a passionate Computer Engineering graduate from Khwopa College of Engineering, with hands-on experience in software development, full-stack engineering, artificial intelligence, machine learning, data engineering, and intelligent systems. My skills have been honed through academic projects, freelancing, and real-world applications, allowing me to build scalable and efficient solutions across diverse domains.

I am actively seeking a role as a Full-Stack Developer, where I can leverage my comprehensive software engineering background and passion for technology to build impactful, user-centric systems—while also contributing to innovative and future-forward projects across platforms. I have a growing interest in Game development and Mobile application development for iOS and Android, and I am continuously exploring these areas to expand my technical horizon.

SKILLS

Database and Data Management: MySQL, Data Warehousing
Technical Skills: Python, C++, MySQL, JavaScript, HTML, CSS, Laravel, Rest API, Git, GitHub,
AI and Machine Learning: Deep Learning, Machine Learning, Diffusion Model

IMPACTFUL PROJECTS

Facial Recognition along with Real-time tracking using Deep Learning
- Developed a Facial Recognition along with Real-time tracking using LFW(Labelled Faces in the Wild) datasets.
- Performed data-augmentation for the improvement of the dataset for variety of faces.
- Pairing of the positive and negative pair of datasets for training the Siamese model.
- Employed collaborative filtering, a Deep learning technique, to build a Facial Recognition model.
- Document the program that take face image of the user and save them as recognized faces and perform the recognition using device camera and tracking their face with bounding box around face.
- GitHub: github.com/harikrishnakhuju/BCTMinorProject

Ransomware Detection in encrypted networks using Machine Learning
- Conducted an in-depth analysis of ransomware in encrypted network traffic for detecting harmful activity within encrypted payloads.
- Explored and custom-made dataset, cleaned and utilized data preprocessing techniques to enhance data quality and reliability for accurate analysis.
- Leveraged Exploratory Data Analysis (EDA) to extract meaningful patterns, trends, and correlations from the dataset.
- Employed statistical analysis and data visualization to identify behavior of the Ransomware traffic flow.
- Employed collaborative filtering, a machine learning technique, to build a Ransomware Detection model.
- Documented the program that run CLI-based, making it suitable for integration into firewalls or other security systems.
- GitHub: github.com/harikrishnakhuju/RANSOMWARE

MeroJobSathi – Job Search & Posting Platform
- Built a full-stack job portal using Laravel, PHP, MySQL, and Tailwind CSS.
- Implemented secure user authentication with role-based access for employers and job seekers.
- Developed dynamic job search, job posting, and employer-job relationship management features.
- Used Laravel factories and seeders to generate realistic test data.
- GitHub: github.com/harikrishnakhuju/MeroJobSathi

Snake Game
- Developed a classic Snake game using Python and Pygame, demonstrating proficiency in game development fundamentals.
- Implemented real-time game loop logic with smooth user input handling and frame-based updates.
- Added collision detection between the snake, food, and screen boundaries to manage game-over conditions.
- Features include growing snake body, increasing speed, and high score tracking.
- Designed a modular and readable code structure, making it easy to extend or refactor in the future
  GitHub: github.com/harikrishnakhuju/snake

EDUCATION

2021 - 2025   Bachelors of Computer Engineering: Khwopa College of Engineering (Tribhuvan University)
2018 - 2020   High school degree: Major in Computer Science at Bagiswori Secondary School