Hari Krishna Khuju

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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.
In addition to my current expertise, 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. 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.

SKILLS

Database and Data Management:	MySQL, Data Warehousing
Technical Skills:	Python, C++, MySQL, JavaScript, HTML, CSS, Laravel, Rest API, Git, GitHub, Linux
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.

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.

EDUCATION

2019 - 2025	Bachelors of Computer Engineering: Khwopa College of Engineering (Tribhuvan University)
2017 - 2019	High school degree: Major in Computer Science at Bagiswori Secondary School