Badal Shrestha

Contact

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Professional Summary

Machine Learning Engineer and Senior Software Engineer with 6+ years of experience in computer vision, deep learning, and AI applications. Specialized in object detection, face recognition systems, RAG implementation, and cloud deployment. Experienced in developing end-to-end machine learning solutions using Python, TensorFlow, OpenCV, and various AI frameworks.

Work Experience

Machine Learning Engineer │ March 2024 – Aug 2025

Chulo Solutions PVT LTD
- Implementing Object Detection
- Working with LLM OpenAi api
- Implemented RAG for OpenAI
- Application deployment on Google Cloud and AWS

Senior Software Engineer │ June 2019 – Feb 2024

Infodevelopers PVT LTD
- Implemented Object Detection and Classification
- Implemented Face recognition attendance System
- Robotic Process Implementation Using Selenium
- Chatbot using RASA framework
- Text data sentiment analysis

Academic History

Bachelor of Engineering (Honours) in Computing (Computer Network Engineering) │ 2019
Naya Aayam Multi Disciplinary Institute (The University of Northampton)

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Skills

Technical Skills: Object Detection, Face Recognition, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Sentiment Analysis, Robotic Process Automation, Chatbot Development, Image Processing, OCR, API Development

Programming Languages: Python, SQL, NoSQL, JavaScript

Frameworks: TensorFlow, Keras, PyTorch, Flask, FastAPI, Django, RASA, Selenium

Tools: Docker, GitHub Actions, OpenCV, YOLO, OpenAI API

Other Skills: CI/CD, Agile Methodology, RAG Implementation, Model Deployment

Certifications

- **Machine Learning with python (2020) | Coursera**

- **Mathmatics For Machine Learning:Linear Algebra (2020) | Coursera**

- **Deep Learning with Keras (2020) | Datacamp**

- **Image Processing with Keras in python (2021) | Datacamp**

- **Agile Foundation (2019) | Lynda**