Chiranjeevi J

joshichiranjeevi9@gmail.com |+917899659451

SUMMARY

Software Engineer with strong foundations in **algorithms** and **system design**, experienced in building **scalable applications** and delivering **AI/ML solutions** in **NLP** and **computer vision**.

SKILLS

Languages: C++, Python, Java, SQL
Web/Backend: React, Node.js, Flask, REST APIs, Servlets, JDBC
ML/AI: TensorFlow, PyTorch, OpenCV, NLP, Computer Vision
Databases/Tools: MySQL, Git, Linux, Docker

LINKS

Github://jchiru21
LinkedIn://chiranjeevijoshi
Leetcode://chiranjeevijoshi

EDUCATION

Ballari Institute of Technology and Management(B.E in AI-ML)
Artificial Intelligence and Machine Learning
2020 – 2024
CGPA: 7.6 / 10.0

Best P U College
Class XII (KSEEB)
2018 – 2020
68.83%

COURSEWORK

Advanced Machine Learning
Data Structures and Algorithms
Operating Systems
Natural Language Processing
Cloud Computing

PUBLICATIONS

"Summarisation and Translation using NLP," International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 12, Issue 5, May 2024.
DOI: https://doi.org/10.22214/ijraset.2024.61391

EXPERIENCE

FULL-STACK DEVELOPER INTERN | Codegnan Destination
Feb 2024 – Mar 2024

- Developed an **SGPA Calculator web application** using **Java, Servlets, JDBC, SQL, and Apache Maven**, implementing core logic with efficient database handling to simplify grade calculations.
- Built and deployed **RESTful APIs** with secure backend integration, ensuring accurate results and smooth client–server communication.

LANGUIFY through Coincent | Machine Learning Intern
Sep 2022 – Nov 2022

- Developed and trained a **digit classification model** on the **MNIST dataset** using **TensorFlow**, achieving **92% accuracy**.
- Conducted **hyperparameter tuning**, **model evaluation**, and implemented a **live demo** for real-time predictions.

PROJECTS

IMAGE SEGMENTATION FOR SCENE UNDERSTANDING | Python, PyTorch, DeepLabV3+
2024 – 2025

- Designed and trained a **semantic segmentation model** using **DeepLabV3+** on the **India Driving Dataset (IDD)**, **improving road-scene detection accuracy** and enabling applications in **autonomous driving**.
- Applied **augmentation** and **class balancing**, **boosting model robustness** across varied driving conditions.
- Integrated output masks with an **interactive visualization tool**, **enabling real-time evaluation** and simplifying debugging during deployment.

TEXT SUMMARIZATION AND TRANSLATION | TensorFlow, Keras, NLTK, BERT, Flask
2023 – 2024

- Built an **end-to-end NLP pipeline** combining extractive and abstractive summarization with **BERT**, **improving coherence, readability, and multilingual accessibility**.
- Applied **NLTK and spaCy preprocessing** and tuned with **ROUGE metrics**, enhancing **accuracy and relevance**.

MULTI-LANGUAGE TEXT PROCESSING PLATFORM | Python, Flask, REST APIs, Docker
2023 – 2024

- Developed a **microservices-based platform** with summarization and translation APIs, enabling **scalable multilingual support**.
- Implemented **API rate limiting** and system optimization, improving reliability and reducing response latency.

REAL-TIME OBJECT DETECTION WEB SERVICE | Python, OpenCV, Flask, WebSocket
2022 – 2023

- Built a **real-time detection application** with live camera feeds and WebSocket integration, enhancing responsiveness and interactivity.
- Designed **modular detection algorithms** with configurable parameters, improving adaptability and performance.