

Chiranjeevi J

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Github | LinkedIn | Portfolio

PROJECTS

ECOM CHAT – API (DEV TOOLING & DEBUGGING) | NODE.JS, TYPESCRIPT, DOCKER, PRISMA, POSTGRESQL, REDIS | 2025

- Achieved 95% reproducibility in CI by resolving pnpm issues, cleaning dependencies, and enforcing repo hygiene.
- Containerized API and services with Docker Compose, enabling one-command setup and smoother onboarding.
- Enabled VS Code attach with ts-node-dev inspector, cutting debug cycles by nearly 3x for developers.

PORTFOLIO WEBSITE | NEXT.JS, REACT, TAILWIND CSS, VERCEL | 2025

- Reduced release effort by 30% by automating deployments with Vercel's build pipeline.
- Built and launched a personal portfolio site with a glassmorphism-inspired UI and smooth animations.
- Designed a fully responsive layout, ensuring accessibility across desktop and mobile devices. [Live Link]

INTELLIGENT TEXT PROCESSING PLATFORM | PYTHON, PYTORCH, HUGGING FACE, FLASK | 2024

- Improved summary accuracy with 15% fewer unsupported entities by training a triplet-based reranker with BM25 negatives.
- Developed a Flask API and web UI integrated with GPU workflows, accelerating experiment turnaround times.
- Tuned entailment thresholds (0.8 vs 0.9), reducing fallback cases by 10% in Conservative presets.

ROAD SCENE UNDERSTANDING WITH SEGMENTATION | PYTHON, PYTORCH, TRANSFORMERS, SEGFORMER, IDD DATASET | 2025

- Delivered 50% mIoU on Indian driving scenes by fine-tuning SegFormer on the IDD dataset.
- Converted polygon annotations to pixel masks, creating a dataset of 7k+ training and 900+ validation samples.
- Applied mixed precision training and automated evaluation, boosting throughput by 2x on NVIDIA L4 GPUs.

INTERNSHIPS

FULL-STACK DEVELOPER INTERN | CODEGNAN DESTINATION

Feb 2024 – Mar 2024

- Built an SGPA calculator web application using Java, Servlets, JDBC, and SQL.
- Designed efficient database queries that reduced retrieval time by 20%.
- Integrated RESTful APIs, improving backend reliability for users.

MACHINE LEARNING INTERN | LANGUIFY THROUGH COINCENT

Sep 2022 – Nov 2022

- Trained a digit classification model on the MNIST dataset with TensorFlow, achieving 92% accuracy.
- Performed hyperparameter tuning and evaluation to improve model robustness.
- Prepared and tested sample datasets to validate model performance.

SUMMARY

Entry-level Software Engineer with experience in web development and applied machine learning. Strong problem-solving skills and eager to learn and grow through real-world projects.

SKILLS

Languages: JavaScript, Python, C++, SQL

Web/Systems: Node.js, React, Express, Flask, REST APIs, Docker, Linux

ML/Tools: PyTorch, TensorFlow, Hugging Face, Computer Vision, NLP, Git

LINKS

Leetcode://chiranjeevijoshi
X(twitter)://@ChiranjeeviJ

EDUCATION

BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

B.E. IN ARTIFICIAL INTELLIGENCE

AND MACHINE LEARNING

2020 – 2024 | GPA: 7.6 / 10.0

FINAL YR: 8.8 / 10

COURSEWORK

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

CERTIFICATIONS

Data Structures and Algorithms – Infosys Springboard
ML Internship – Coincent

INTERESTS

Open Source Development
AI in Autonomous Systems

PUBLICATIONS

"Summarisation and Translation using NLP" in IJRASET, 2024