Chiranjeevi J

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Github | LinkedIn

INTERNSHIPS

FULL-STACK DEVELOPER INTERN | Codegnan Destination
Feb 2024 – Mar 2024
- Built a student performance dashboard using Node.js, Express, and PostgreSQL.
- Optimized SQL queries, improving API response time by 30%.
- Developed validated REST APIs, improving backend reliability.

MACHINE LEARNING INTERN | Languify through Coincent
Sep 2022 – Nov 2022
- Collaborated with mentors to train an MNIST digit classifier in TensorFlow, reaching 92% accuracy.
- Tuned hyperparameters and ran tests to improve model robustness.
- Prepared and validated datasets to ensure consistent performance.

PROJECTS

ECOM CHAT — API (DEV TOOLING & NETWORKING) | Node.js, TypeScript, Docker, Prisma, PostgreSQL, Redis | 2025
- Improved CI reliability to 95% by resolving dependency issues and stabilizing builds across environments.
- Deployed API and services on AWS EC2 using Docker Compose, enabling one-command releases and reliable uptime.
- Increased observability with monitoring hooks, cutting debugging effort and accelerating issue resolution by nearly 3x.

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
- Achieved 50% mIoU on Indian driving scenes by fine-tuning SegFormer on the IDD dataset with a small research team.
- Built 7k+ training and 900+ validation samples by converting polygon annotations to pixel masks for large-scale experiments.
- Doubled GPU throughput with mixed precision training and automated evaluation, streamlining workflows and boosting efficiency.

SUMMARY

Software engineer with experience in Python, Linux, distributed systems, and applied ML. Worked on NLP, vision, recommendation models, and RL. Skilled in building efficient training pipelines and full-stack workflows focused on scalable, reliable systems.

SKILLS

Languages: Python, JS/TS, C++
Systems: Linux, Docker, AWS
Backend: Node.js, Flask, Next.js
Databases: PostgreSQL, Redis
DevOps: Git, CI/CD, Monitoring
ML: PyTorch, TensorFlow, HF, NLP, CV

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`

LINKS

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

COURSEWORK

Data Structures and Algorithms
Advanced Machine Learning
Operating Systems
Computer Networks
Cloud Computing

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