

HARI PRASAD CHINIMILLI

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OBJECTIVE

Young and aspiring AI/ML Engineer and Full Stack Developer, possessing hands-on knowledge of developing real-time AI/ML systems, Gen AI (RAG technology) projects, and MERN Stack projects. Possess hands-on knowledge and competency in designing end-to-end projects, from data pre-processing and developing models to API and Front-end work. Profound knowledge and skills acquired from various internships, real-time projects, and an understanding of various technologies, including Python, Machine Learning, and MERN Stack technologies. I am interested in an entry-level position where I can further utilize my skills and knowledge and gain further exposures and training under any entity that will help me accomplish my aim of creating impactful and data-centric products.

EXPERIENCE

AI & Machine Learning Intern

TechSaksham (Microsoft & SAP CSR Initiative) - Edunet Foundation

📅 Dec 2024 - Jan 2025 📍 Remote

- Focused on implementation-related AI and ML use cases using Python, emphasizing working with more pragmatic and interpretability-driven solutions as opposed to purely theoretical models.
- Created Python code for automation scripts and text classification models, providing me with practical knowledge of NLP procedures.
- Provided end-to-end implementation of ML pipelines with data preprocessing, feature management, model training and evaluation.
- Gain experience in transforming problem statements into practical ML solutions following real-world practicalities.
- Provided project results, learnings, and technical decisions to mentors during structured evaluations.
- Strengthened understanding of the concepts, evaluation, and practices associated with applied AI.

Full Stack Developer Intern (MERN)

SmartBridge Educational Services Pvt. Ltd. (APSCHE)

📅 May 2025 - Jul 2025 📍 Remote

- Developed a full-fledged MERN stack e-commerce web application (ShopEZ) with features like authentication, product management, and order processing.
- Developed RESTful APIs using Node.js and Express technologies and linked them to a React frontend for smooth data transfer.
- Working extensively with MongoDB for schema design, data modeling, and CRUD operations.
- Resolved problems related to integrating frontend and backend systems, including those with Axios and API connectivity.
- Adhered to clean coding principles and a modular project structure.

PROJECTS

KawaiiArts – Full Stack E-Commerce Platform (MERN Stack)

Self Project

📅 July 2025 📍 Remote

- Designed and developed a full-stack e-commerce application using React (Vite), Node.js, Express, and MongoDB.
- Implemented JWT-based authentication and role-secured RESTful APIs for user and order management.
- Built immersive and responsive UI using Tailwind CSS and Framer Motion for enhanced user experience.
- Developed global state management for cart and wishlist features using React Context API.
- Implemented a custom order workflow integrating WhatsApp for streamlined checkout communication.

SHL GenAI Assessment Recommendation System (RAG)

Self Project

📅 December 2025 📍 Remote

- Designed and developed a Retrieval-Augmented Generation (RAG) system to recommend relevant SHL assessments directly from job descriptions.
- Implemented semantic search using sentence embeddings (MiniLM) and cosine similarity to retrieve the most relevant assessments.
- Built a production-style backend using FastAPI to expose recommendation APIs with structured inputs and outputs.
- Evaluated system performance using Recall@10 to measure retrieval effectiveness and recommendation quality.
- Focused on modular design, scalability, and clean API architecture suitable for real-world deployment.

Agentic AI-Based Autonomous Trading System (Deep Q-Learning)

Self Project

📅 January 2026 📍 Remote

- Designed and implemented an autonomous trading agent using Deep Q-Networks (DQN) to make buy, sell, and hold decisions in a simulated market environment.
- Built a custom trading environment with reward functions to model realistic market behavior and trading constraints.
- Trained and evaluated the agent to analyze decision-making patterns and long-term reward optimization.
- Gained hands-on experience with reinforcement learning workflows, environment design, and policy evaluation.

Animal Sense AI – Real-Time Detection System

Self Project

📅 December 2025 📍 Remote

- Designed and developed a real-time animal detection web application using Flask and OpenCV, integrating custom-trained YOLOv8 models for high-accuracy classification.
- Implemented an optimized inference pipeline with lazy loading for both classification and detection models, significantly reducing application startup latency and memory overhead.
- Engineered a flexible model management system enabling dynamic switching between custom classifiers and standard pre-trained models.

SKILLS

Python SQL Java C Machine Learning
Deep Learning Generative AI (RAG) NLP
NumPy Pandas FastAPI Flask
MERNStack MEAN Stack CI/CD
Computer Vision DBMS Git GitHub
Dialogflow PyTorch Scikit-learn
TensorFlow Keras MongoDB
RESTAPIs

EDUCATION

Bachelor of Engineering
(ComputerScience&DataScience)
(Kakinada Institute Of Engineering & Tech)

📅 2022 - 2026

12th

Higher Secondary Examination: R.K Junior College Machilipatnam

📅 2020-2022

10th

Senior Secondary Examination: G.V.N.R Mpl High School Machilipatnam

📅 2019-20

STRENGTH

- Detail-oriented, ensuring data accuracy and compliance across pipelines.
- Efficient in managing time and delivering projects within tight deadlines.

ACHIEVEMENTS

- Solved 200+ Data Structures and Algorithms problems on LeetCode, strengthening problem-solving skills and algorithmic thinking.
- Ranked in the Top 10% of the Foundations of Modern Machine Learning program conducted by IIIT Hyderabad, among 1500+ participants.
- Secured Top 100 position in the Deloitte BRIDGE Campus Learning Series 2025, demonstrating strong analytical and technical aptitude.
- Won 2nd Place in the Code Quest Python Coding Contest conducted by JNTU-GV, competing against students from multiple colleges.

TRAINING & CERTIFICATIONS

Foundations of Modern Machine Learning – IIIT Hyderabad (iHub-Data)

📅 August 2023 - May 2024 📍 Hyderabad

- Completed a rigorous, industry-oriented machine learning training program conducted by IIIT Hyderabad, covering core concepts such as supervised learning, model evaluation, optimization techniques, and real-world ML workflows.
- Gained hands-on exposure to building, training, and evaluating machine learning models, with emphasis on practical problem solving and data-driven decision making.
- Secured Grade A, placing in the Top 10% of participants, reflecting strong conceptual understanding and consistent performance throughout the program.