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LinkedIn GitHub LeetCode

PROJECTS/PITCHES

NeuroNest: AI-Powered Second Brain (In Development)

Next.js 13, React 18, TypeScript, Tailwind CSS, Framer Motion, Vite　　　　　　　　*May 2025 - Present*

- Building an enterprise-grade application with responsive UI for 3 platforms (desktop, tablet, mobile) using Next.js 13, Framer Motion and TypeScript, already encompassing over 15,000 lines of production code across 45+ reusable components.
- Engineered a **Emotional Intelligence AI** (GPT-3.5), achieving **85% accuracy,** <2s latency, and memory recall by 300%.
- **Developing an AI-powered productivity suite** architected to support 6+ core features, including smart notes with emotion detection, a personalized AI assistant, and mood analytics.

Real-Time Object Recognition & Voice-Guided Navigation

Python, OpenCV, Flask, PyTorch, Hugging Face Transformers, Computer Vision, NLP　　　　　*Aug 2024 - Nov 2024*

- Developed a real-time object detection system using **SSD MobileNet V3** achieving >85% accuracy in indoor environments.
- Built a currency recognition module with **ResNet34**, capable of identifying ₹10 – ₹2000 denominations with >90% confidence via API. Achieved modular microservice architecture using **Flask REST APIs** for translation, TTS, and currency detection.
- Engineered a multilingual voice assistant using the **MBart-50** transformer, delivering real-time translation and Text-to-Speech (TTS) guidance in 5+ languages via a non-blocking, multi-threaded architecture.
- Build an **OpenCV + Pyzbar** barcode scanner system to fetch product pricing via the **OpenFoodFacts API** and web scraping.

Optimizing Legal Document Generation

Python, PyTorch, Django, Hugging Face (Transformers, PEFT), NLP　　　　　　　　*Aug 2024 - Nov 2024*

- Developed and fine-tuned a **7-billion parameter Llama-2 language model** for specialized legal document generation.
- Engineered a PEFT strategy using **4-bit (nf4) QLoRA** to optimize model training efficiency and reduce memory footprint.
- **Achieved a BLEU score of 0.55** on specific legal drafting tasks, rigorously evaluating the model's linguistic fidelity.

EXPERIENCE

Cognizant Technology Solutions　　　　　　　　　　　　　　　　　　　　　　**Hyderabad**

Programmer Analyst　　　　　　　　　　　　　　　　　　　　　　　　　　*Jul 2024 - Present*

- Managed lifecycle of **100+** applications, packaged and deployed to **10,000+ endpoints via Microsoft Intune**. Built 5 real-time dashboards for project metrics, enhancing stakeholder visibility and deployment transparency.
- Automated packaging tasks with over 50 PowerShell scripts, cutting manual effort by 30% and improving deployment consistency. **Resolved 200+ Level 3 incidents** in ServiceNow and **authored 50+ KB articles**, boosting team efficiency by 25%.
- Collaborated with QA, security, and PM teams to ensure smooth, compliant deployments, achieving **98% UAT success rate.**

Outlier AI　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Remote**

Freelance AI Trainer　　　　　　　　　　　　　　　　　　　　　　　　　*Dec 2024 - Present*

- **Refined 5000+** high quality prompt-response pairs, directly contributing to a 20% improvement in the AI model's accuracy.
- Elevated response quality by **reviewing and rewriting** AI-generated content, **improving clarity**, factual correctness by 30%.
- Contributed to high quality assurance workflows, including peer review which helped **improve overall model safety by 15%.**

SKILLS

- **Languages:** Python, Java, SQL
- **AI & Machine Learning:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Hugging Face
- **Concepts:** Generative AI, Natural Language Processing (NLP), Prompt Engineering, Deep Learning, Computer Vision
- **Cloud:** AWS (S3, EC2), Google Cloud Platform (Compute Engine), Azure Cloud
- **DevOps:** Docker, Kubernetes, Jenkins, Git, GitLab CI/CD
- **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB
- **Core:** Data Structures, Object oriented Programming, Operating System, Computer Networks

ACHIEVEMENTS

- Attained **Top 10** in Google **BigQuery** Skills Challenge 2023 among **10000+ APAC participants.**
- Achieved **4.8** Rating as a Chegg Subject Matter Expert **Mentoring 100's** of Students in **Computer Science Problem Solving.**

EDUCATION

Vishnu Institute of Technology　　　　　　　　　　　　　　　　　　**Bhimavaram, India**

Bachelor of Technology in Computer Science and Engineering [CGPA 8.11]　　　*Aug 2020 - May 2024*

Pragati Junior College　　　　　　　　　　　　　　　　　　　　　**Kakinada, India**

Intermediate [CGPA 9.29]　　　　　　　　　　　　　　　　　　　　*Jun 2018 - April 2020*