Harmesh G V

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SKILLS

Languages / Frameworks: Python, SQL, Java, HTML and CSS, NodeJS, React

Tools / Platforms: MySQL, MongoDB, VS Code, Docker, Git, GitHub, Web Hosting, Linux (Ubuntu)

Soft Skills: Problem-Solving Skills, Team Player, Project Management, Adaptability

INTERNSHIP

Freelance Frontend Developer | Six Square Builders | JavaScript, React.js, Web Hosting **Aug' 24 - Sep' 24**

- Designed and developed a full-scale business website from scratch using JavaScript and React.js, enhancing brand presence.
- Built and optimized responsive UI/UX, improving user navigation and reducing bounce rates by 20%.
- Configured domain, web hosting, and deployment, ensuring 99.9% uptime and seamless performance.

SDE Intern | Cloud It Solutions | Python, PyTorch, TensorFlow, GANs, MLPs **Jun' 22 – Jul' 23**

- Built a Generative Adversarial Network (GAN) to generate realistic 28x28 images using adversarial training.
- Designed a Generator to create images from noise and a Discriminator to classify real vs. fake using Multi-Layer Perceptrons.
- Improved model stability by implementing Batch Normalization, LeakyReLU activation, and the Adam optimizer.
- Fine-tuned learning rate, loss functions, and network depth, enhancing image quality by 30%.

PROJECTS

Video Classification Project | PyTorch, YOLO, LSTM, CUDA **Feb' 25 - Present**

- Implemented YOLO for weapon detection, segmentation, and pose tracking to extract features indicating aggression.
- Trained an LSTM model on extracted features, optimizing inference speed using CUDA acceleration.
- Enhanced motion tracking with OpenCV and SciPy, improving classification accuracy in real-time scenarios.
- Built a labelled dataset of violent and non-violent frames, achieving high-performance classification.

Web HealthCare | Residual Neural Networks (ResNet), OpenCV, TensorFlow, PyTorch, Streamlit **Sep' 24 - Oct' 24**

- Developed a deep learning model for skin disease classification using ResNet and OpenCV, achieving high diagnostic accuracy.
- Implemented a multi-class classification system, providing real-time AI-driven medical recommendations.
- Designed an intuitive UI with Streamlit, enabling users to upload images for instant dermatological analysis.
- Enhanced accessibility to dermatological insights through real-time image-based analysis.

CERTIFICATES

Complete Machine Learning and Data Science Program | GeeksForGeeks **Nov' 24**

IBM DevOps and Software Engineering | Coursera **Sep' 24**

Achievements

Hack-A-Throne 1.0 | GeeksForGeeks **Jan' 24**

Developed **SympAI**, a deep learning and NLP-based disease prediction system with an integrated chatbot for symptom-based diagnosis, successfully qualifying through three selection rounds.

Education

Lovely Professional University, Punjab **Aug' 22 - Present**

Bachelor of Technology in Computer Science and Engineering | Specialization: Data Science & Machine Learning

Sri Chaitanya Techno School, Chennai

Intermediate - 87% | PCM (Physics, Chemistry, Math) stream **Apr' 21 - Mar' 22**

Matriculation - 82% **Apr' 19 - Mar' 20**