S Prajwall Narayana

Bangalore, IN

Phone LinkedIn Email Website

Experience

Ernst & Young India — Bengaluru, IN
Associate Consultant Intern — Aug 2024 - Sep 2024
Gained expertise in Enterprise Security Architecture and Cybersecurity through work on the IFTAS Cloud project, applying the SABSA Framework for risk-driven design, cloud security, IAM, and regulatory compliance in financial systems.

RVCE Centre of Excellence — Bengaluru, IN
Student Intern — Oct 2024 - Nov 2024
Developed a prototype model for AI-generated content and deepfake detection using CNN-based architectures, fine-tuned with hyper-parameter optimisation in TensorFlow and PyTorch. Achieved 92.3% accuracy, 90.7% precision, and 91.5% recall on benchmark deepfake datasets (FaceForensics++ and DFDC).

Projects

Arogya-Sathi: AI-Powered Multilingual Healthcare Platform | Link
Developed and led an AI-driven healthcare system using Streamlit, LangChain, LLaMA 3.2, YOLOv8, and OCR, featuring symptom checker, X-ray analyzer, report summarizer, and wellness chatbot.Enabled 12+ language support via Ollama LLMs and real-time hospital/pharmacy locator using OpenStreetMap.Achieved 93% accuracy in symptom detection; optimized for 8–16GB RAM with modular, low-resource deployment.

KnotesCentral | **Link**
Lead and built Knotes Central is a centralized academic resource platform for RVCE students, offering curated notes, question papers, lab manuals, and more. Designed to eliminate the need for scattered resources,This uses typescript react js and html Css based on the versions we upgraded it.

LLM_Terminal | **Link**
Developed a terminal-based conversational AI tool integrating Large Language Models (LLMs) like GPT to enable seamless, offline CLI assistance. Lightweight and efficient, useful for quick AI interactions without web overhead.

Publications

Web-Server Controlled Rover with Robotic Arm and Object Detection | Nov 2024
Designed a modular, LAN-controlled rover system using ESP32s with YOLOv3 object detection, 4-DOF arm, real-time camera streaming, and web UI; published in IEEE Xplore for low-cost automation and robotics education. **IEEE Xplore**

An Empirical Study of ResNet50 Hyperparameter Tuning for Plant Disease Classification| Nov 2024
Novelty of this work lies in the combination of multiple datasets and the establishment of standardized hyperparameters, leading to a significant increase in matching accuracy. Additionally, the approach enhances model generalizability across varied real-world scenarios. **IEEE Xplore**

Skills

Programming languages:	Python, Swift, C, C++, JavaScript
Python Libraries:	Cuda, Tensor flow, PyTorch, OpenCV, Pandas, Django
JavaScript libraries:	ReactJS
Tools:	Git, **Github**
OS:	Linux, macOS,Windows

Education

RV College of Engineering — Bengaluru, IN
BE Computer Science and Engineering — Dec 2021 - Aug 2025

Societies

NSS RVCE — Bengaluru,IN
Core Team, Media and Content Head. — Nov 2023 - Nov 2024
Events organised: Utsarga Marathon 2024, Police Marshal, Health Camp, Drug Awareness , Women safety Awareness.