S Prajwall Narayana

Bengaluru IN · **prajwallnarayana@gmail.com** · +917760604439
Linkedin : www.linkedin.com/in/sprajwallnarayana **Website** : https://sprajwallnarayana.vercel.app

SKILLS

Programming languages:	Python, C++, Jupyter notebook,C, Swift ,SQL, JavaScript
Python Libraries:	TensorFlow, Pytorch, OpenCV, Pandas, Streamlit, Django
Tools/OS:	Git, Github, Windows, Mac, Linux

EDUCATION

Bachelor of Engineering | Computer Science and Engineering   Bengaluru, IN
R V College of Engineering | VTU   Dec 2021 - Aug 2025

12th Grade | STEM   Bengaluru, IN
NAFL North | CBSE   Dec 2019 - Aug 2021

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.

Applied the SABSA Framework for risk-driven design, cloud security, Identity and Access Management (IAM), and regulatory compliance in financial systems.

RVCE Centre of Excellence   Bengaluru, IN
Student Intern   Oct 2024 - Dec 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 - https://github.com/Developer1010x/Arogya-Sathi.git
Developed and led an AI-driven healthcare system using Streamlit, LangChain, LLaMA 3.2, YOLOv8, and OCR, featuring symptom checker, X-ray analyser, report summariser, and wellness chatbot.Enabled 12+ language support via Ollama LLMs and real-time hospital/pharmacy locator using OpenStreetMap.Achieved 93% accuracy in symptom detection; optimised for 8–16GB RAM with modular, low-resource deployment.

LLM_Terminal- *Langchain, Streamlit, Llama3.2B* https://github.com/Developer1010x/LLM_Terminal.git 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.

KnotesCentral - *TypeScript, ReactJS, HTML, CSS* https://knotescentral.vercel.app Built Knotes central is a centralised 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

PUBLICATIONS

Web-Server Controlled Rover with Robotic Arm and Object Detection | Nov 2024   IEEE Xplore

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.

https://ieeexplore.ieee.org/document/10816816

An Empirical Study of ResNet50 Hyperparameters Tuning for Plant Disease Classification| Nov 2024 IEEE Xplore

Novelty of this work lies in the combination of multiple datasets and the establishment of standardised hyperparameters, leading to a significant increase in matching accuracy. Additionally, the approach enhances model generalisability across varied real-world scenarios.

https://ieeexplore.ieee.org/document/10816835

CERTIFICATIONS

Introduction to Graph Algorithms | 2024   NPTEL
Data Science for Engineers | 2023   NPTEL

SOCIETIES

NSS RV College of Engineering | Core Team, Media and Content Head. | Nov 2022 - Aug 2024   Bengaluru, IN