PERIVI HARIKRISHNA

 perivi | Perivi Harikrishna | perivihari8@gmail.com | 8106811285 | Portfolio

SUMMARY

Machine Learning Engineer, Full Stack & Mobile App Developer

Experienced in building AI-driven and cross-platform solutions with expertise in Deep Learning, NLP, Python, and Flask. Skilled in frontend frameworks like Angular, React, React Native, and Vite, with backend expertise in Flask, Node.js, and Supabase. Experienced in deploying full-stack and mobile applications, integrating AI chatbots, and automating workflows with n8n. Passionate about solving real-world problems with innovative, data-driven approaches.

WORK EXPERIENCE

Freelance Angular Developer with Python   Mar 2025 – Aug 2025

– Developed dynamic and responsive Angular applications integrated with Python-based backends using Flask and Supabase.
– Implemented RESTful API services, handled JSON data, and managed authentication workflows.
– Created modular UI components and data-driven visualizations using Angular Material.
– Optimized performance and deployed applications on Vercel and Render.

Freelance Full Stack Developer   Feb 2025 – Jul 2025

– Built and deployed full-stack applications using Angular, React + Vite (frontend) and Flask/Node.js (backend).
– Designed and managed databases with MongoDB, PostgreSQL, and Supabase, ensuring secure storage and efficient queries.
– Delivered mobile-friendly, responsive UI/UX with React Native, Bootstrap, and Angular Material.
– Integrated AI chatbots and automated workflows with n8n to streamline client processes.
– Deployed apps on Render, Vercel, and Netlify with CI/CD pipelines and Git version control.

Freelance Backend Developer at Bitspark Technologies   Dec 2024 – Mar 2025

– Developed backend services using Flask and Node.js, ensuring scalable and secure API design.
– Integrated Supabase and PostgreSQL for data management and authentication workflows.
– Optimized server-side performance and implemented automated pipelines for deployment.
– Collaborated with frontend teams to integrate RESTful APIs and improve system reliability.

Machine Learning Engineer at TMIS   Jun 2024 – Present

– Developed and fine-tuned machine learning models for NLP and computer vision tasks using TensorFlow, Keras, and YOLO.
– Performed data preprocessing, augmentation, and feature engineering to improve model accuracy.
– Deployed ML models with Flask, Docker, and REST APIs, enabling real-time inference in production.
– Built AI chatbots and integrated them into client-facing platforms with n8n and Flask backends.
– Collaborated on mobile app features with React Native and Supabase for real-time data sync.
– Tracked ML experiments using TensorBoard and MLflow, improving reproducibility and team workflows.

PROJECTS

AI Chatbot with n8n Integration

Built a custom AI-powered chatbot integrated with n8n automation workflows. Enabled dynamic task automation and third-party service integration for clients.

Cross-Platform Mobile App (React Native + Supabase)

Developed a real-time mobile application using React Native and Supabase for backend data sync. Deployed with CI/CD pipelines for Android and iOS.

Crop Recommendation using Machine Learning

Built a machine learning model to recommend the most suitable crop based on soil and weather data. Implemented with scikit-learn, deployed via Flask on the web.

Movies Guide Website

Developed a movie search and recommendation platform using Angular and Flask. Integrated third-party APIs with a responsive UI built using Angular Material.

EDUCATION

2020 – 2024	B.Tech in Electronics and Communication Engineering, IIIT Uttarakhand (GPA: 9.0/10)
2020	Class 12, Andhra Pradesh State Board (91%)
2018	Class 10, SSC Board (90%)

SKILLS

Frontend Development	HTML, CSS, JavaScript, Angular, React, React + Vite
Mobile Development	React Native, Mobile App Development
Backend Development	Flask, Node.js, Supabase, SQL
Database	MongoDB, PostgreSQL, MySQL, Supabase
Machine Learning	Deep Learning, NLP, YOLO, TensorFlow, Keras, Neural Networks, Model Deployment
AI & Automation	AI Chatbots, n8n, Workflow Automation
DevOps & Deployment	Website/Mobile Deployment, Git, GitHub, Render, Vercel, Netlify
Programming Languages	Python, JavaScript