PRAJWAL G KOPPA

@ prajwalkoppa@gmail.com 📞 +91 9972649525 📍 Bangalore,KA in LinkedIn

PROJECTS

Personal Portfolio Website

GitHub

📅 Sept 2025

- Developed a responsive personal portfolio using HTML, CSS, and JavaScript to highlight projects and skills.
- Implemented interactive features with ScrollReveal animations and Typed.js typing effects.
- Integrated a functional contact form for direct communication.

Temperature Forecasting Using Machine Learning

GoogleColab

📅 Aug 2023 - Sept 2023 📍 Ideal Educraft Technologies

- Built Python ML models (Random Forest, XGBoost, etc.) on NASA LARC data; achieved R^2 88%/84%.
- Applied data preprocessing, feature engineering, model evaluation using NumPy, Pandas, Scikit-learn.
- Designed Python UI for daily, weekly, monthly forecasts in agriculture & disaster planning.

IoT Based Flood Monitoring and Alerting System

📅 Jan 2023 - April 2023 📍 DSATM

- Designed a low-cost flood monitoring system using an ultrasonic sensor and Arduino Uno.
- Integrated IoT-enabled SMS/email alerts for real-time warnings.
- Used Bolt-IoT Wi-Fi module, LCD display, and Python for data processing.

Object Detection and Recognition System to Assist Visually Impaired People

📅 Nov 2023 - May 2024 📍 DSATM

- Designed and implemented a Raspberry Pi–based assistive system using YOLOv5 for real-time object detection, recognition, and environmental awareness for visually impaired users.
- Added OCR with text-to-speech for reading printed/handwritten text aloud.
- Designed wearable, low-power AI solution for safer, independent navigation.

INTERNSHIP

Ideal Educraft Technologies

📅 Aug 2023- Sept 2023 📍 Bangalore, Karnataka

- Developed temperature forecasting system using Python and ML algorithms with a user-friendly interface.
- Improved communication, problem-solving, and teamwork skills through collaborative activities.

OBJECTIVE

Aspiring Software Engineer skilled in Java, Python, Data Structures, Algorithms, and Frontend Development, eager to build scalable and innovative software solutions.

EDUCATION

Bachelor of Engineering in ECE

Dayananda Sagar Academy of Technology and Management (DSATM)

📅 2020 - 2024 📍 CGPA: 8.33

Class XII

Tungal College, Vijayapura, Karnataka, India

📅 2018 - 2020 📍 Percentage : 82.66%

Class X

Daffodils School of Education, Vijayapura, Karnataka, India

📅 2017 - 2018 📍 Percentage : 80.8%

TECHNICAL SKILLS

Programming Languages:

Java   C & C++   Python   JavaScript

Web Development

HTML5   CSS   Bootstrap   DOM

Database

PostgreSQL   MySQL

Other

Object-Oriented Programming (OOPs)
Software Development Lifecycle (SDLC)
Data Structures   Algorithms   Git
GitHub   Linux   HTTP   REST APIs

CERTIFICATIONS

- Java(Basic) Certification - HackerRank
- Electronic Arts Software Engineering virtual experience program on Forage - August 2025
- Deloitte Australia Technology Job Simulation on Forage - August 2025
- SQL, MYSQL, POSTGRESQL MONGODB: All-in-One Database Course - Udemy