

Prajwalsingh Kalwad

6362498970 | prajwalsinghkalwad8@gmail.com | Dharwad, Karnataka 580007

Portfolio: prajwalsinghkalwad.github.io | GitHub: github.com/PRAJWALSINGHKALWAD |
LinkedIn: linkedin.com/in/prajwalsingh-kalwad-507506312

SUMMARY

Final-year BCA student who designs and ships full systems end-to-end, including a live mobile development workspace with an integrated AI agent and a deployed retrieval-augmented chat assistant. Comfortable across mobile, backend, and workflow-automation tooling, with solid fundamentals in data structures, databases, and object-oriented programming. Seeking a software developer/engineer role to build on this foundation.

EDUCATION

Bachelor of Computer Applications (BCA) - CSI College of Commerce, Dharwad | CGPA: 7.2 (As of 4th semester) | Expected 2027
Pre-University Course (PUC) - Science, H M Ishwaran SC PU College, Dharwad — 78.5% (2024)
SSLC - K.E. Boards High School, Dharwad — 84.8% (2022)

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML, CSS

Frameworks & Platforms: Flutter, LangGraph, n8n, Cloudflare Workers

Databases: Oracle Database, SQLite

Core CS Fundamentals: Data Structures & Algorithms (C), DBMS, Object-Oriented Programming, Computer Networking (basics)

PROJECTS

1. Pro Coding Studio — Mobile Development Workspace with AI Agent

Flutter, Cloudflare Workers, Gemini, Groq, SQLite • Live, in active use [Case Study](#) | [Download \(Play Store\)](#)

- Architected a mobile workspace for project management, code editing, live preview, and GitHub sync, with an AI agent that can act directly on project files.
- Designed the AI backend on Cloudflare Workers with automatic fallback between Gemini and Groq to keep the agent responsive under provider outages or rate limits.
- Implemented GitHub synchronization using the low-level Git Data API (blobs, trees, commits) for precise control over what gets pushed.

2. Radha — Embeddable AI Documentation Assistant

Vanilla JavaScript, n8n, Gemini (RAG) • Live, deployed on a real documentation site

Live: [Pro-Coding-Studio-Documentation](#) | [Case Study](#)

- Built a single-script, framework-free chat widget that answers visitor questions using retrieval-augmented generation grounded in the host site's own content.
- Designed the entire backend as an orchestrated n8n workflow (webhook intake, vector search, Gemini generation) instead of a hand-written server, with n8n auto-scaling multiple workflow instances per concurrent query.
- Currently live in production; throughput is bound only by LLM API cost and host server capacity, not by the application architecture itself.

3. Surya — Autonomous Mobile UI Agent

Kotlin, Python, LangGraph, Gemini • Personal research prototype

[Case Study](#) | [Download \(APK\)](#)

- Designed a thin-client agent architecture: an Android app observes the device's accessibility tree while a Python server handles all reasoning.
- Built a plan → execute → verify agent loop using LangGraph and Gemini to complete natural-language tasks without predefined automation scripts.

Note: Ai is used to make the projects.

Declaration:

I hereby declare that the above furnished details are true to the best of my knowledge.

Place: Dharwad

Yours Sincerely,
(Prajwalsingh)