Siddharth Bhat

MCA Student • Full-Stack Developer

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PROFILE SUMMARY

MCA student and full-stack developer who enjoys turning real-world problems into working apps. I have built and shipped projects across **web, mobile (Android & iOS), AI and machine learning**, from speech-to-text and computer vision to local LLMs, with tests and CI. A quick learner and team player, looking for an **internship or entry-level developer role** where I can contribute and keep growing.

EDUCATION

Master of Computer Applications (MCA) | St Aloysius (Deemed to be University), AIMIT, Mangaluru — Jul 2025 – Expected 2027
Bachelor of Computer Applications (BCA) | Shivaji College, Karwar · CGPA 8.2/10 (Distinction) — 2023 – May 2025

TECHNICAL SKILLS

Programming Languages: TypeScript (basic), Python, Kotlin, Dart, SQL
Web & Mobile: HTML, CSS, JavaScript, React, Next.js, Angular 19, Node.js, FastAPI, Flask, Flutter
Databases: MongoDB, MySQL, SQLite
Core Concepts: Object-Oriented Programming, Data Structures, ADBMS
AI & ML: scikit-learn, Whisper (speech-to-text), OpenCV, YOLO, local LLMs (Ollama), FFmpeg
Developer Tools: Git/GitHub, GitHub Actions, Docker, pytest, Linux (Ubuntu), VS Code, Android Studio

INTERNSHIP EXPERIENCE

AI/ML Intern — Jan 2025 – Mar 2025
ZetaCoding Innovative Solutions — Remote / Karnataka

- Built Flask web applications in Python with page routing, database connections and reusable backend code for an AI/ML project.
- Connected ML models to the web app and debugged issues end to end, from data handling to the final output.

PROJECTS

HypeSift AI | Turns long videos into ready-to-post shorts — code ↗
Python, FastAPI, faster-whisper, FFmpeg, OpenCV, Ollama, Next.js, TypeScript

- One **AI Generate** click transcribes the video, finds the best moments, crops to vertical around the speaker and adds captions.
- Each clip gets a **0–100 score with reasons** plus titles and hashtags for 6 platforms; a browser editor can change anything.
- A 2:53 video became **4 finished shorts in 90 s** on a laptop GPU; **37 tests** incl. a full upload-to-download run; free and local.

Tokenomy | AI cost-cutting gateway for company chatbots — code ↗
Python, FastAPI, scikit-learn, Ollama, SQLite, React, Docker

- OpenAI-compatible layer between an app and its AI models: reuses answers to repeated and reworded questions, routes easy ones to a cheap model.
- Router picks the right model with **96% accuracy**; a fact-check guard cut wrong cache hits from **2 in 8 to 0**; **25 tests** and CI.

TaskFlow | Project & team management platform — code ↗
Angular 19, Express 5, MongoDB, Socket.IO, Chart.js, Claude API

- Built a team project manager with a drag-and-drop Kanban board, calendar, dashboards, reports and file sharing (**47 REST APIs**).
- Secure login (JWT) with **separate roles**, real-time chat and live updates (Socket.IO), plus AI project summaries.

Beam Share | Offline file sharing for Android, iPhone & Windows — code ↗
Flutter, Dart, Kotlin, Swift, C++/WinRT, TLS, BLAKE3

- Shares files and full-quality photos with **no internet or router**: the phone makes its own Wi-Fi, others join via QR code.
- Own protocol (parallel TLS, BLAKE3 per piece, resumes after drops): **1,003 files (2.4 GB), zero errors**, about **118 MB/s**.

CrowdMate | Virtual queues & lost-person safety tags (PWA) — code ↗
React, TypeScript, Node.js, WebSocket, IndexedDB, Vitest, Playwright

- Scan a QR code for a live queue token or to privately alert a lost person's family; works offline; **69 automated tests** incl. accessibility.

Qualify Milk | ML milk-quality grader — code ↗
Python, scikit-learn, Flask, SQLAlchemy, pandas

- Compared **10 ML models**, caught duplicate data and tested fairly on unseen samples (88%); Flask app with live predictions.

Also built: PotSpot (pothole map from dashcam video, YOLO11), PixelStore (MERN e-commerce), HabitTracker (Android, Kotlin).

SOFT SKILLS

Problem Solving · Adaptability · Self-learning · Communication · Team Coordination · Attention to Detail

INTERESTS & LANGUAGES

Interests: Fitness, Workout and Sports
Languages: English, Hindi, Konkani

DECLARATION

I declare that the above information is true and correct to the best of my knowledge. **Siddharth Bhat**