

Jaydeep Solanki

Software Engineer | Backend, Developer Tools, IoT, Real-Time Systems
jaydeepsolanki.me

contactjaydeepsolanki@gmail.com

[LinkedIn: solanki-jaydeep](https://www.linkedin.com/in/solanki-jaydeep)

[GitHub: whoisjayd](https://github.com/whoisjayd)

[X: whynotjaydeep](https://x.com/whynotjaydeep)

Ahmedabad, Gujarat, India

Summary

I build backend tools, developer workflows, and hardware connected systems that need to stay useful after the demo is over. My work sits close to real constraints: long running jobs need progress, device commands need reliable state, CLIs need clear output, and project writeups need evidence from the code. I am strongest around Python, FastAPI, TypeScript, Redis, MQTT, WebSockets, Docker, and Next.js, with a practical bias toward systems that are easy to run, inspect, and maintain.

Projects

NoteWise

whoisjayd/notewise | notewise.click

AI study notes CLI for turning YouTube lectures and playlists into useful learning material. The project is shaped around repeat use: clear terminal progress, local output, predictable exports, and provider flexibility.

- Implemented transcript fetching, chapter aware splitting, batch execution, Rich terminal progress, structured logging, local output, SQLite caching, and Markdown, HTML, PDF, and DOCX exports.

GitResume

whoisjayd/gitresume

FastAPI platform that turns repository evidence into resume bullets, project summaries, and interview notes. The system reads the codebase first, then writes language that can be traced back to real files and dependencies.

- Ingested source files, READMEs, dependency manifests, project structure, and repository metadata before generating ATS ready summaries and technical explanations.

BlazeServe

whoisjayd/blazeserve

Python CLI HTTP file server for serious local sharing. It focuses on transfer correctness, cache behavior, upload handling, runtime visibility, and operational controls instead of being a throwaway static server.

- Implemented sendfile with mmap fallback, configurable socket buffers, byte range and multi range responses, ETag handling, cache headers, CORS, Basic Auth, and TLS support.

Experience

Analyst Intern - Deloitte

Jan 2026 to Present · Remote, India

- Building foundations in analytics, data engineering, visualization, and consulting through structured client style work and capstone delivery.
- Practicing how to turn technical investigation into readable recommendations, clean artifacts, and decisions that a non technical stakeholder can trust.

Project Intern - Ellipsis Infotech

May 2025 to Jun 2025 · Ahmedabad, India

- Built an IoT air conditioner control platform across ESP8266 firmware, MQTT messaging, FastAPI services, WebSocket state updates, and a Next.js operator dashboard.
- Owned device registration, command routing, OTA update flow, JWT authentication, and live state reporting so remote commands matched the physical device state.

Co-Founder - Team Dyaus, Nirma University

Nov 2022 to Jan 2026 · Ahmedabad, India

- Co-founded the aerospace club and led the software thread for ground stations, telemetry dashboards, GPS views, mission logs, and operator tooling.
- Mentored juniors while carrying software work across CanSat, model satellite, and rocketry projects, with competition systems built for live mission use rather than static demos.

Skills

Python, TypeScript, JavaScript, SQL, C, C++, Bash
FastAPI, Flask, Node.js, REST APIs, WebSockets, JWT, OAuth
PostgreSQL, MySQL, MongoDB, Redis, SQLite, Firebase
Google Cloud Run, AWS, Docker, GitHub, CI/CD, Linux
ESP8266, ESP32, Raspberry Pi, MQTT, OTA updates, PlatformIO

Education

B.Tech, Electronics and Communication Engineering - Nirma University

Aug 2022 to May 2026 · Ahmedabad, Gujarat, India

- CGPA: 8.0/10.0. Minor in Data Science.
- Relevant coursework: Data Structures and Algorithms, Machine Learning, IoT Analytics, Embedded Systems, Digital Signal Processing, Cloud Computing, and Database Management Systems.

Achievements

- IN-SPACe CanSat India Student Competition 2023, 2nd place at national finals.
- TEKNOFEST 2024 Model Satellite Competition, 9th place among international teams.
- Flipkart GRID 5.0 Robotics Challenge 2023, national finalist and Top 10 team.
- Mentored teammates who later placed Asia #1 at TEKNOFEST 2025, 3rd at IN-SPACe Model Rocketry 2025, and won Best Teamwork at IN-SPACe CanSat India 2025.