

Duration: 2 weeks, **Time needed:** ~ 6-8 hours/week

The Core Philosophy: You Direct, Claude Code Builds

You are a business person. Claude Code is your engineering partner.

This program is designed for you to learn to direct Claude Code. You will and should never manually write Python, JavaScript, or any programming language. Instead, you'll learn to:

1. **Describe what you want** in plain English
2. **Let Claude Code build it** for you
3. **Verify the output works** by testing and checking results
4. **Push to production** by asking Claude Code to do so

Your Role vs Claude Code's Role

Your Role (Human)

Decide what to build

Give requirements in plain English

Run commands (copy/paste from instructions)

Test by clicking, calling, checking dashboards

Verify data appears correctly

Ask clarifying questions when stuck

Claude Code's Role

Write all the code

Create project structure and files

Handle dependencies and configurations

Debug and fix errors

Integrate APIs and services

Explain what code does when asked

How to Approach Each Day

Step 1: Watch the short videos (5-10 min) Get a mental model of the concept. Don't memorize—just understand "why this exists."

Step 2: Learn concepts from Claude (browser/desktop) Ask Claude to explain concepts. Your goal: understand enough to verify outputs, not to code.

Step 3: Build projects with Claude Code (terminal) Give Claude Code your requirements. Let it generate everything. Run the code. Test it.

Step 4: Verify using checklists Every project has a verification checklist. Your job is to confirm each item works.

The Golden Rules for Success

Rule 1: Never write code manually If you're typing Python or JavaScript, stop. Ask Claude Code to do it.

Rule 2: Copy-paste commands exactly Terminal commands are provided. Copy them. Don't improvise.

Rule 3: Verify in dashboards, not code Check Vercel dashboard for data. Check Railway logs for activity. Check Plivo console for calls. You verify by looking at results, not reading code.

Rule 4: When stuck, describe the problem to Claude "I ran the command and got this error: [paste error]" — Claude will fix it.

Rule 5: Test with real calls The ultimate verification is: Can you call the phone number and talk to your AI?

Week-by-Week Agenda

Week 1: Foundation & Deployment (5 Days)

Day	Focus	What You'll Have Working
1	Environment + Git	Cursor IDE, GitHub, terminal basics, first Python project running
2	Multi-file projects	Plivo Account Health Checker with proper structure
3	Web servers + Databases	Flask server, Redis sessions, PostgreSQL storage
4	Plivo Voice IVR	Working phone menu: "Press 1 for Sales, 2 for Support..."
5	Cloud Deployment	IVR running on Vercel 24/7 with cloud databases

End of Week 1: A production IVR system anyone can call.

Week 2: AI Voice Agents (7 Days)

Day	Focus	What You'll Have Working
1	LLM APIs	OpenAI calls, streaming, function calling
2	Speech AI	Deepgram transcription, ElevenLabs voice generation
3	Pipecat Framework	Local voice bot you can talk to via microphone
4	Pipecat + Plivo	AI agent answering real phone calls
5	LiveKit Alternative	Same agent using LiveKit + SIP (optional approach)
6	Railway Deployment	Voice AI running 24/7 in the cloud
7	Polish + Demo	Final features, demo video, external testing

End of Week 2: A production AI receptionist that answers calls, detects intent, and logs everything.

Tools You'll Use

Tool	Purpose	You'll Use It For
Claude code	Your tech partner	Everything
Cursor IDE	Code editor with AI	Where Claude Code runs
GitHub Desktop	Version control	Saving and sharing your work
ngrok	Local tunnel	Testing webhooks during development
Vercel	Serverless hosting	Deploying APIs and databases
Railway	Container hosting	Deploying voice AI (long-running)
Plivo	Phone infrastructure	Real phone numbers and calls

When Things Go Wrong

1. **Copy the full error message**
2. **Paste it to Claude Code or Claude browser**
3. **Ask: "I got this error when running [command]. How do I fix it?"**
4. **Follow the fix, test again**

You are never expected to debug code yourself. That's Claude's job.

Remember: Your job is to direct and verify. Claude Code's job is to build and fix. Stick to your role and you'll succeed.

Tips for Success

- **Use AI constantly** — ask Claude to explain errors, generate boilerplate, review your code
- **Don't memorize syntax** — understand concepts, look up specifics as needed
- **Break when stuck** — if stuck for 30+ min, ask Claude or take a break

- **Document everything** — keep a running Google Doc of "things I learned" and "things that confused me"
- **Ship ugly code** — working > perfect, refine later