

GAURAV SOOD

Backend & Full-Stack Developer — Python · FastAPI · Next.js

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PROFILE

Builds REST APIs in Python (FastAPI, async SQLAlchemy, PostgreSQL) with auth, migrations and tests, and ships production web apps (Next.js, TypeScript, Prisma) end to end — schema, backend, UI, deploy. Every project below runs in production or has a public repo you can open. Uses AI coding agents daily (Claude Code, Codex) and writes MCP servers. Looking for a backend or full-stack role where one person owns a feature end to end.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, C#, Lua; HTML, CSS

Web & Backend: FastAPI, async SQLAlchemy, Alembic, Next.js (App Router, server actions), React, Node.js, REST API design, Prisma ORM, PostgreSQL, schema design and migrations, JWT authentication and password hashing, pytest, Docker

Desktop & Systems: PyQt5, Windows networking internals (TCP/IP, DNS, latency and packet-loss diagnostics), real-time audio DSP, ONNX model inference

AI Tooling: Claude Code, Codex and agentic coding workflows; MCP (Model Context Protocol) server development and integration — author of github.com/gauravsoodtech/bambu-project-qa-mcp (Node.js, zero-dependency, tested)

Practices & Infra: Git, GitHub, Vercel deployment, environment and secrets management, Blender and Fusion 360 scripting automation

PROJECTS

Shortlist — job-application tracker REST API with AI job-description scoring. JWT auth (Argon2), append-only status history so the funnel counts interviews that later ended in rejection, and a Claude endpoint that scores a listing against the user's profile (fit score, gaps, red flags). 27 tests, Dockerised, Alembic migrations. Python, FastAPI, async SQLAlchemy 2.0, PostgreSQL, Alembic, pytest, Docker, Anthropic API · github.com/gauravsoodtech/shortlist-api

3D Print Cost Calculator — live production web app used daily to quote paying customers. Computes material, machine, labour and overhead cost per order, with JWT login, admin panel, in-browser 3D model preview, S3 file uploads, share-token quote links customers open without an account, and a unit-tested cost engine. Next.js (App Router), TypeScript, Prisma, PostgreSQL, jose (JWT), AWS S3, Three.js, Vitest, deployed on Vercel · miniory3d.vercel.app · github.com/gauravsoodtech/3D-print-calculator

NetBoost — Windows gaming network optimizer. Diagnoses Wi-Fi and TCP faults (latency spikes, packet loss, adapter misconfiguration), then applies tuned registry and adapter settings with one-click revert. Custom glassmorphism PyQt5 interface. 57 commits. Python 3.13, PyQt5, Windows networking APIs · github.com/gauravsoodtech/net-boost

Mellow Mic — real-time voice changer routing a live microphone through a DSP chain and RVC ONNX voice models into Discord, Teams and OBS. Fully local, no cloud round trip. Python, real-time audio processing, ONNX runtime · github.com/gauravsoodtech/Mellow-mic

Store Manager — command-line store system over PostgreSQL: customers, products, orders and reporting. Parameterised queries throughout, transactional order placement with rollback on failure, and foreign-key validation before every write. Python, psycopg2, PostgreSQL, SQL · github.com/gauravsoodtech/store-database

EXPERIENCE

Founder & Developer

Jan 2026 - Jul 2026

Miniory3D (custom 3D-printed figurines), New Delhi

- Ran a real product business and built my own internal tooling for it — pricing app, order pipeline and model-prep automation — instead of buying SaaS for each piece.
- Owned the online store at miniory3d.com as product decision-maker: specified what it had to support (catalogue with variants, OTP login, order tracking, promo codes, reviews, admin panel), tested it against live orders and ran every customer order through it.
- Shipped the pricing web app (Next.js + PostgreSQL) and used it to quote 50+ paying orders, replacing manual per-order cost estimation; designed a 27-field order pipeline covering enquiry through delivery.
- Automated 3D model preparation with scripted Blender and Fusion 360 pipelines, cutting manual modelling work on every order.

Independent Developer

2023 - 2025

New Delhi

- Learned Python, TypeScript and full-stack web development by building and finishing real applications rather than tutorials — desktop tools, web apps and a published Roblox game (roblox.com/games/140220820481156).
- Adopted AI coding agents early: wrote an MCP server that QA-checks 3D-print projects before they print, and extended an open-source CAD MCP bridge to drive Fusion 360 from an agent.

EDUCATION

Bachelor of Travel and Tourism Management — Maharishi Dayanand University, Rohtak (DAV Centenary College) | 2018 - 2022

Senior Secondary (Class 12) — Saraswati Bal Mandir, New Delhi | 2018

Open to on-site, hybrid or remote · Delhi NCR or relocating · available immediately · Hindi (native), English (professional).