SHUBHAM CHAWHAN

MERN Stack Developer | Full-Stack Engineer | AI & Machine Learning Builder

Vadodara, Gujarat, India | imail@shubhamos.com | linkedin.com/in/shubhamos | github.com/shubhamos-ai | shubhamos.com

PROFESSIONAL SUMMARY

Full-stack MERN developer and AI builder with 2+ years shipping 10+ live web apps and computer-vision tools. Strong in React, TypeScript, Node.js, Express, FastAPI and REST APIs; shipped AI GitHub analytics, encrypted storage, media platforms and gesture-controlled games. 30+ verified credentials in Generative AI, MLOps, cloud and security; Google Cloud Skills Boost Gold League (3,905 points). National Finalist - CodeNexus India 2026 and 2nd Runner-Up - Summer of Code 2026. Currently a 3rd-semester B.Tech IT student building Scriptor, an AI writing workspace.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, HTML5, CSS3, Vite, Tailwind CSS, Framer Motion, Canvas 2D, responsive design

Backend & APIs: Node.js, Express.js, Python, FastAPI, Flask, REST APIs, WebSockets, JWT/OAuth, SQLAlchemy

Databases & Cloud: MongoDB, PostgreSQL, SQLite, Drizzle ORM, Google Cloud Platform, Firebase, Vercel, Render, Docker

AI / ML: MediaPipe, OpenCV, PyTorch, Computer Vision, Large Language Models (LLMs), Prompt Engineering, MCP

Tools & Practices: Git, GitHub Actions, CI/CD, Linux, Discord.py, Discord API, TMDB API, Razorpay, unit testing

SELECTED PROJECTS (LIVE)

GitHelp / SHUBHAMOS Analyzer - React, Node.js, AI | githelp.shubhamos.com

- Built an AI GitHub analytics platform with profile/repo insights, AI chat and a README Repair Studio with live Markdown preview and one-click token-based commits; implemented Razorpay top-ups and five free signup tokens.

Encryption.gg - HTML/JS, Python, Render | encryption.shubhamos.com

- Built a privacy-first image and text encryption service with temporary encrypted storage, request-queue tracking and automatic deletion after download or expiry; open-sourced under MIT.

CineVault - Web, Python, TMDB API | cinevault.shubhamos.com

- Shipped a movie discovery and streaming tracker with search, trending, 20+ genres, cast/budget/rating details and a TMDB-backed "Now Playing" player.

MediaPipe Games - MediaPipe, Canvas 2D, JavaScript | game.shubhamos.com

- Built eight hand-controlled browser games (Fruity Ninja, Rock Paper Scissors, Billiards, Hand Beat, Tetris, Road Fighter, Flappy Bird, Stick Hero) using shared MediaPipe gesture recognition, combos, levels and scoring.

AirDraw - MediaPipe, Canvas | draw.shubhamos.com

- Built a gesture-driven drawing canvas: index-up draws, pinch erases, open palm clears, thumbs-up saves and an L-hand opens controls; added undo/redo, mirror and PNG export.

Img Utils - Web | img-utils.shubhamos.com

- Delivered 25+ client-side tools for image conversion, cropping and resizing, PDF compress/merge/split, JSON formatting, hashing, QR/password/UUID generators and colour tools.

Can My PC Run It? - Web, System APIs | can-my-pc-run-it.shubhamos.com

- Built a compatibility checker that reads system specifications, compares them with game requirements and returns a full pass/fail breakdown.

Inkloom - TypeScript, Vercel | inkloom.art

- Designed an AI logo platform with a four-model pipeline (brand analysis, typography, symbol construction, composition engine) and launched early access with credits and pricing pages.

VendorBridge - FastAPI, SQLAlchemy, SQLite | github.com/shubhamos-ai/odoo-VendorBridge

- Built a full procurement workflow (RFQ to quotation to purchase order to invoice) with role-based pages, REST API with Swagger UI, seeded data and optional Docker deployment.

Scriptor - Python, LLM | scriptora.shubhamos.com (in progress)

- Building an AI writing and scripting workspace with a custom editor and real-time generative assistance.

PROFESSIONAL EXPERIENCE

Student & Full-Stack Developer | CVM University, Anand, Gujarat | Sep 2025 - Present

- Pursuing B.Tech in Information Technology (3rd semester) while building MERN-stack, Python, AI/ML and Generative AI applications with cloud deployments and REST APIs.
- Compete in national hackathons and innovation programs and contribute to GDG chapters and the Google Developer Program.

Founder & Lead Developer | SHUBHAMOS (Independent Projects) | 2022 - Present

- Shipped 8+ live web applications and 45 public GitHub repositories; maintained a Discord bot, Java Minecraft server plugins and a documentation portal.
- Recognised with four GitHub achievement badges (YOLO, Pair Extraordinaire, Pull Shark, Quickdraw) and GitHub Developer Program membership.

Verified Discord Developer | Discord | 2022 - Present

- Built production Discord bots using discord.py with slash commands, webhooks, moderation and economy systems for communities of 10,000+ users; joined Discord API beta programs.

> *Additional technical roles from the personal portfolio (self-reported - verify before submitting):*
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> **ZTX Host - Core System Architect & Infrastructure Lead (2023 - 2024):** reports 45% latency reduction, infrastructure for 50,000+ concurrent users, automated DDoS mitigation and multi-region failover under 99 ms.
>
> **Paladin Host - Senior Backend Engineer / Bot Security Specialist (2023 - 2024):** reports 1B+ monthly API interactions, DDoS mitigation cutting attack surface 78%, and OAuth/JWT authentication for 200,000+ accounts.
>
> **Haldin Host - Cloud Solutions Architect / Senior Admin (2022 - 2023):** reports 99.9% uptime SLA, architecture across three continents, 32% infrastructure cost reduction and mentoring six engineers.

EDUCATION

Bachelor of Technology (B.Tech), Information Technology | CVM University (MBIT campus), Anand, Gujarat, India | Sep 2025 - Present (3rd Semester)

CERTIFICATIONS & AWARDS

Hackathons & recognition: National Finalist - CodeNexus India 2026 (Team Tensor Titans); Grand Finale Finalist - Brainwave, GGSIPU Delhi; 2nd Runner-Up - Summer of Code 2026 (EduLinkUp/Unstop); Finalist - Pixels to Products, Cloudinary India; Smart India Hackathon 2026; Odoo x Adani University Hackathon '26; Build.IT '26 Innovation Contributor; WebRush 6-Hour Frontend Hackathon Product Builder; Scipotech Winner (LiFi); Think Tank: The Deal Room, IIM Rohtak; DevJams'26 Recognition, VIT Vellore.

Generative AI & cloud: Anthropic - Model Context Protocol (Advanced Topics), Claude Platform 101, Claude Code 101, Claude 101, AI Fluency Framework & Foundations, AI Fluency for Students, AI Capabilities and Limitations. Google Cloud Skills Boost - MLOps for Generative AI, Gemini for Data Scientists and Analysts, Google Cloud Fundamentals: Core Infrastructure, Introduction to LLMs, Responsible AI, Image Generation, Cloud Spanner (Gold League, 3,905 points).

Security, data & open source: Tata - GenAI Powered Data Analytics, Cybersecurity Analyst, Data Visualisation; Mastercard Cybersecurity; Datacom - Cyber Security Operations and Partnering with AI in the Workplace; Google Ads Measurement Certification; IEEE Expert Talk on RF & Microwave Engineering; EduLinkUp Summer of Code (ELUSOC) 2026 - Open Source Contributor.

COMMUNITY & LEADERSHIP

Google Developer Program member; GDG Baroda, GDG Goa, GDG on Campus SR University Warangal and MBIT Anand; Google Cloud Innovator; Google Maps Platform Innovators; Firebase Studio Developer Community; Web Apps with Firebase badge; Google I/O '23 attendee. Profile: me.developers.google.com/u/shubhamos. 500+ LinkedIn connections; 11,900+ Instagram followers (@shubham.dns).