

Daksh Ketankumar Shah

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CORE COMPETENCIES & TECHNICAL SKILLS

Cloud & DevOps: AWS, AWS Marketplace, HashiCorp Packer, AMI Creation, Cloudflare R2, Shell Scripting, Linux
Programming Languages: C, C++, Java, Python, SQL, JavaScript, HTML5, CSS3
Backend & Databases: FastAPI, MySQL, REST APIs, MQTT
Data Science & ML: Machine Learning, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn
Tools & Concepts: Git, GitHub, VS Code, OOP, DBMS, IoT, DSA, Technical Documentation

EDUCATION

Pandit Deendayal Energy University (PDEU) <i>B.Tech in Computer Engineering, Minor in Internet of Things; CGPA: 9.63</i>	Ahmedabad, Gujarat <i>Jul 2024 – Jul 2028</i>
School Education <i>12th GSHSEB: 90.12% 10th GSHSEB: 87.83%</i>	Ahmedabad, Gujarat <i>2024 2022</i>

PROFESSIONAL EXPERIENCE

Jupiter Softwares <i>DevOps & Marketplace Listing Intern</i> - Automated installation workflows for 3 JupiterMeet products using Packer and shell scripts, eliminating client-side SSH/FTP setup and reducing installation effort by 10–15 minutes. - Configured installers to download the codebase from Cloudflare R2 and route client setup through the frontend, removing the need for console or terminal interaction. - Built Packer templates from scratch and validated installer flows across Ubuntu 24.04 and CentOS 7 for repeatable AWS Marketplace deployments. - Prepared marketplace-ready listings for the JupiterMeet Suite, consisting of 3 software products, handling AWS Marketplace setup, listing preparation, AMI creation, and deployment validation. - Created 12 onboarding assets, including 1 SupaDemo, 2 installation videos, and 9 walkthrough videos for JupiterMeet setup and usage. - Added product-level license checks, fixed cross-product ID misuse during installation, and coordinated Paddle webhook-based license registration updates. - Enabled automatic startup for the signaling server, removing a previously manual post-installation step.	Ahmedabad, Gujarat <i>May 2026 – Present</i>
IEEE ITSS Student Branch Chapter PDEU <i>Secretary</i> Helped establish the IEEE ITSS Student Branch Chapter at PDEU as a founding student officer and supported early coordination for a 6-member chapter team.	Ahmedabad, Gujarat <i>Feb 2026 – Present</i>

PROJECTS

IoT Hardwork Enforcer and Smart Desk Orchestrator | *C++, ESP32, MQTT, IoT*

- Designed an ESP32-based smart desk monitoring system integrating 7 hardware components: rotary encoder, button, buzzer, NeoPixel LED ring, DHT22 sensor, TFT display, and MQTT communication.
- Developed 600–700 lines of embedded C++ logic for hardware controls, sensor readings, TFT display updates, and device-to-desktop communication.
- Synced desk status between ESP32 hardware and a Tkinter desktop app over MQTT, enabling near-instant state updates triggered on change instead of constant polling.

CoreInventory | *SvelteKit, FastAPI, MySQL*

- Built a personal prototype based on the Odoo x Indus Hackathon virtual-round problem statement to track inventory movement across multiple locations using SvelteKit, FastAPI, and MySQL.
- Developed frontend and backend workflows for inventory transfers, deliveries, receipts, authentication, email notifications, and audit logs.

ACHIEVEMENTS

Reliance Foundation UG Scholarship Beneficiary: Selected for a merit-based undergraduate scholarship recognizing academic performance.