

# Devang Gandhi

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## Career Objective

Full-stack Software Engineer dedicated to building transparent and secure digital infrastructure. Leveraging hands-on experience across cloud data, modern software architecture, and decentralized systems to take products from concept to launch. Aiming to build next-generation applications that drive real-world impact.

## Education

**AISSMS Institute of Information Technology, Pune.**  
B.Tech. in Computer Engineering | CGPA: 7.67/10.

2022–26.

## Experience

- Software Development Engineer | Tulapi.ai : (Offer Letter)** *Jan 2026 – Present*  
Developing and optimizing data pipelines and software solutions as part of an SDE team.  
Collaborating on enterprise-level projects to deliver scalable code and technical architecture.
- Technical Writer | Blok Capital: (Offer Letter)** *Jan2026 – Present*  
Distilling complex Web3 and blockchain concepts into clear, actionable technical documentation and articles.  
Bridging the gap between engineering and end-users through high-quality technical content.
- Music Mentor & Founder | Amuzic Music Academy & Kalpajay Music Academy (Certificate)** *April 2023 – Present*  
Mentored over 200+ students, managing curriculum design, practical sessions, and student progress.  
Established full financial independence since freshman year by scaling part-time teaching into a long-term professional role.

## Skills

- Languages: Solidity, JavaScript, TypeScript, MySQL.
- Frameworks: Foundry, Hardhat, Node.js, Next.js.
- Tools: Remix, MetaMask, Alchemy, Etherscan, Snowflake, Microsoft Azure.
- Concepts: DeFi, Consensus, Smart Contract Auditing, Cryptography Basics, x402, EIP-8004, IoT.
- Soft Skills: Research Mindset, Problem-Solving, Communication, Team collaboration.

## Projects

- BugChan | Decentralized Bug Bounty Platform (ETH Global: Block scout prize winner):** [\(Link\)](#).  
Developed and deployed Solidity smart contracts handling bounty creation, staking, escrow, and automated reward distribution. Contributed to building a transparent, censorship-resistant Web3 bug bounty system with encrypted IPFS submissions and on-chain settlement logic using Hardhat.
- Lighthouse | A Snowflake usage tracking application:** [\(Link\)](#).  
-An automated FinOps engine that continuously monitors warehouse spend, identifying idle compute and poor partition pruning, and precise surfaces, one-click recommendations for cost optimization.
- Pramaan | Decentralized Reputation-as-a-Service (RaaS):** [\(Github\)](#) [\(Demo\)](#).  
- Developed a decentralized protocol on Base that converts siloed gig worker data into portable, on-chain credit scores using Zero-Knowledge Proofs (ZKP) and Anon Aadhaar.  
- Integrated AI Agents for automated risk analysis and is currently productizing the core logic into an NPM package for developer integration.
- Prabandh402 | An agent-native logistics layer where AI agents discover services:** [\(Link\)](#).  
- verify identity via EIP-8004 SIDs, and book/pay using HTTP 402/x402.  
-Implemented TypeScript/Fastify microservices (registry, provider, agent demo) with secp256k1 signing, stable JSON signing, and Postgres/Drizzle storage.  
- Delivered an end-to-end flow: search → signed 402 payment intent → signature verification → payment confirmation → signed receipt.

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## Research Paper & Publication

- **Hybrid LSTM-Based Real Time Energy Demand Forecasting for Smart Grids with Edge Computing:** [\(Link\)](#)
    - Developed a hybrid LSTM deep learning model for smart grid energy demand forecasting, trained on 8,760 hourly data points.
    - Achieved **1.16% MAE and 90.68% classification accuracy**, outperforming traditional baselines and other deep learning models.
    - Deployed the model with TensorFlow Lite on edge devices, reducing inference latency to 10.14ms for real-time smart grid operations
  - **TempGuard: Real-Time Temperature Profiling System for Laboratory Chambers Using Arduino and Desktop Interface:** [\(Link\)](#)
    - Developed a standalone IoT monitoring system using **Arduino (DHT11)** and **Python (Tkinter, Matplotlib)** to eliminate reliance on cloud connectivity in secure/rural lab environments.
    - Engineered a real-time data pipeline for live GUI visualization, automated CSV logging, and PDF report generation, achieving **100% data retention** in zero-connectivity modes.
    - Optimized monitoring workflows, resulting in an **80% reduction in manual logging time** with a high precision rate.
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## Achievements & Certification

- **Winner, ETHOnline** (Blockscout Partner Prize) – Recognized for developing a blockchain project integrating Blockscout for on-chain data visibility and analytics. [\(Certificate\)](#) **October 2025**
  - **Best Outgoing Student** (Student of the year) of Computer department and AISSMS IOIT [\(Certificate\)](#)
  - Winner – Hash Hunt: Code Deploy Dominate, Sui Foundation. 1st place for Sui Loyalty DApp. **July 2025**
  - ACM Summer School on IoT & Next-Gen Networks – [\(Certificate\)](#) **June 2024**
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## Leadership and Activities

- Treasurer: IOIT ACM Student Chapter. [\(Certificate\)](#) **2023–24.**
- Secretary: IOIT ACM Student Chapter. [\(Certificate\)](#) **2024–25.**
- Finance Head: Managed two Model United Nations (MUNs).
- Speaker: College fests & workshops.