

Gautham Ram U M

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EDUCATION

Alliance University

2024 – 2028

B.Tech in Computer Science & Engineering (Kalvium) | Bangalore, India

WORK EXPERIENCE

Digital South Trust

Oct 2025 – Present

Blockchain / Full-Stack Engineer & Project Manager • Bengaluru, India (Remote)

- Led Web3 and Web2 product initiatives as Project Manager, overseeing the full lifecycle of 5+ projects spanning blockchain solutions, smart contract deployments, and full-stack web applications, while directly mentoring and managing a team of interns.
- Developed and maintained end-to-end Web2 and Web3 applications — from responsive frontend interfaces to robust backend APIs and decentralized smart contracts on the Ethereum network.
- Bridged traditional Web2 architectures with Web3 ecosystems, ensuring seamless technology integration across decentralized systems and coordinating cross-functional stakeholders to maintain delivery timelines.

PROJECTS

Ballot – Immutable Campus Voting System | [GitHub](#) | [Live](#)

Nov 2024 – Feb 2025

- Built a secure, blockchain-enabled e-voting platform for university elections using Ethereum smart contracts (Solidity/Hardhat), ensuring immutable vote records with live results and audit logs.
- Engineered admin features including bulk student account generation via CSV, automated email credential delivery, and role-based access control protecting admin vs. student routes.
- Tech Stack: React 19, TailwindCSS, Vite, Node.js, Express.js, MongoDB, Ethers.js, Solidity, Hardhat, Sepolia Testnet, JWT.

Krevelance – AI-Powered Financial Analysis Platform | [GitHub](#) | [Live](#)

Nov 2024 – Feb 2025

- Built an AI-powered financial analysis platform integrating Gemini 1.5 to predict revenue, expenses, profit/loss, and churn rate from raw uploaded financial data (Excel, CSV, JSON).
- Implemented multi-tenancy, role-based access control (Owner/Admin/Analyst/Viewer), 2FA, and AES-256 data encryption; automated analysis reduced manual work by 70%.
- Tech Stack: MERN Stack, MySQL, Sequelize ORM, FastAPI, Gemini 1.5, Pandas, NumPy, Stripe, JWT, Netlify, Render.

CogniForm – AI Survey Fatigue Reducer | IBM TechXchange Hackathon | [GitHub](#)

- Built an agentic AI SaaS solution on IBM WatsonX Granite models that batches, prioritizes, and auto-completes routine workplace surveys, reducing employee fatigue while maintaining data quality.
- Implemented three core modules: Smart Batching & Prioritization, AI Auto-completion (Granite NLP), and an Analytics Dashboard tracking fatigue indicators across the workforce.
- Tech Stack: Python, IBM WatsonX Granite models.

SecureID – Decentralized Digital Identity System | [GitHub](#)

Oct 2024 – Nov 2024

- Created a secure identity verification system using NFT-based (ERC-721) authentication and IPFS decentralized storage for a national-level hackathon.
- Mitigated risks of centralized identity breaches with a privacy-focused DID authentication system; presented within a 36-hour timeframe at HackHub 25, VIT Chennai.
- Tech Stack: MERN Stack, NFT-based DID Auth, IPFS, JWT, Solidity.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Solidity, Rust, SQL

Frontend: React.js, Next.js, HTML5, CSS3, TailwindCSS, Vite, Framer Motion

Backend: Node.js, Express.js, FastAPI (Python), Prisma ORM

Databases: MongoDB, PostgreSQL, MySQL, Firebase, Supabase

Blockchain & Web3: Solidity, Ethers.js, Web3.js, IPFS, ERC-20, ERC-721 (NFTs), DAO Governance, Hardhat, Foundry

AI & ML: Gemini API, IBM WatsonX Granite, REST APIs

DevOps & Tools: Docker, Git, GitHub, CI/CD, Coolify, Vercel, Render, Netlify, Firebase Auth, JWT

ACHIEVEMENTS & EXTRACURRICULARS

- Finalist at HackHub 25, VIT Chennai — built and presented the Decentralized Digital Identity System within a 36-hour hackathon timeframe.
- Authored comprehensive system architecture for 'AmarChain,' a legally-compliant Web3 organ donation platform, demonstrating expertise in solution design and regulatory alignment.
- Selected participant in the IBM TechXchange Pre-Conference WatsonX Hackathon (Path: Generative AI for Productivity with IBM Granite).
- Active GitHub Contributor with a diverse portfolio spanning Web2, Web3, and Generative AI domains.
- Participated in multiple hackathons focusing on DeFi, AI, decentralized identity, and full-stack application development.