

Annapurna Gothe

Computer Science Engineer | Secure Software, Applied ML, Blockchain-Backed Products

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PROFILE

I build end-to-end applications with equal focus on usability, reliability, and security foundations. Work spans full-stack development, network log anomaly detection, decentralized identity, and on-chain document verification. Targeting German Master's programmes and software engineering internships with clear, verifiable project outcomes.

EXPERIENCE

Pravinya Infotech — Intern, Full Stack ML Developer | Jan 2025 — May 2025

Hubballi, Karnataka, India

- Developed AdGenAI — a full-stack campaign-content tool (React, Flask APIs, MongoDB) for marketing creative workflows.
- Integrated Gemini and Imagen 3 pipelines to turn product visuals and prompts into multiple ad and poster outputs.
- Improved delivery with S3 media storage, stronger API fault handling, and sprint-based collaboration.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science — KLE Technological University

Focus: secure systems, software engineering, data structures & algorithms, applied AI.

LANGUAGES

English: Full Professional Proficiency (IELTS B2) | German: A1 (actively learning, targeting A2 by Winter 2026) |

Kannada: Professional working proficiency | Hindi: Professional working proficiency

SELECTED PROJECTS

Network Log Visualization and Anomaly Detection

- Flask app that visualizes network logs and applies Isolation Forest, One-Class SVM, and LOF for anomaly scoring.
- Surfaces model outputs and heatmaps in a practical UI for faster security triage.
- GitHub: github.com/Annapurna138/network-log-visualization-and-anomaly-detection

Self-Sovereign Identity (SSI)

- Decentralized identity prototype: users manage and verify identity data via blockchain-backed records.
- Wallet-based verification on Sepolia; in-app verification flows to streamline checks.
- GitHub: github.com/Annapurna138/SSI

Blockchain Based File Storage and Certificate Validation

- Secure document storage and validation of government-issued certificates using on-chain integrity.
- Role-based admin, upload, and verification interfaces; hashing and immutable records for trust.
- GitHub: github.com/Annapurna138/blockchain-based-document-verification

EVENTS, ACHIEVEMENTS & CERTIFICATIONS

- Aleo x AKINDO Buildathon kickoff workshop (13 Jan) — online Leo/ZK intro and grant-track overview; Discord/YouTube.
- Bybit Traders Connect P2P meetup (6 Dec 2025, 4–7pm) — The Hub Bengaluru, Infantry Rd.
- India Blockchain Week 2025 — flagship Web3 conference (Hashed Emergent), 2–3 Dec 2025, Sheraton Grand Whitefield, Bengaluru.
- Build on Aptos Hackathon Bangalore (29–30 Nov 2025) — Essotto Recreation Hub; Rise In x Aptos.
- Unfold 2024 — CoinDCX summit & hackathon (1–3 Dec 2024), Bengaluru Marriott; Web AI Assistant — Blockchain Transaction Hub (500+ developers).
- Solana Hacker House Bengaluru 2024 (26–27 Jul 2024) — Sheraton Grand Bengaluru Whitefield.
- Smart India Hackathon 2023 Grand Finale (19–22 Dec 2023), Amity University, Uttar Pradesh — Grand finalist (NTRO).
- Prayog Varsh 2022 — KLE Technological University, Hubballi (27 Aug 2022); first-year engineering showcase; team Euclidians (CS) — winner among 150+ projects / 600+ students.
- Cisco Networking Academy — Networking Basics (Credly, May 2024; Packet Tracer, IP, transport/apps, wireless).
- NPTEL Software Testing — IIIT Bangalore NOC24-CS91: graph/data-flow & logic testing, OO/web, symbolic & concolic; proctored exam.
- Udemy — 100 Days of Code™ · Python Pro Bootcamp (Dr. Angela Yu); completed 13 Apr 2026.

TECHNICAL SKILLS

Core programming: Python, JavaScript, C++, TypeScript

Software engineering: Data structures & algorithms, OOP, REST APIs, Git/GitHub

Web development: React, Next.js, Node.js, Flask

Data & AI: Machine learning basics, anomaly detection, model evaluation

Systems & security: Computer networks, secure coding basics, Linux workflow

Applied blockchain: Solidity, Web3 integration, smart contract interaction

LINKS

Portfolio (Annapurna.design): <https://annapurna-gothe.netlify.app/> | GitHub: <https://github.com/Annapurna138> | LinkedIn: <https://www.linkedin.com/in/annapurna-gothe-265097234/> | X: <https://x.com/ChainWithAnie>