SUHRID GHOSH

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ABOUT ME

Technology enthusiast with a strong foundation in artificial intelligence, cloud computing, and networking. Experienced in full-stack web development and AI-powered systems, with a focus on system optimization and emerging technologies. Comfortable working in collaborative environments and committed to continuous learning and improvement.

EDUCATION

Vellore Institute of Technology   **Chennai, India**
Bachelors of Technology (GPA: 8.43)   June 2022 - June 2025

SKILLS SUMMARY

- **Languages:** Python, C/C++, SQL, JavaScript
- **Frameworks:** Pandas, Numpy, Flask, Haystack
- **Tools:** AWS, Google Cloud Platform, Kubernetes, Docker, Git, Linux, Wireshark
- **Platforms:** Postman, Hugging Face, Cisco Packet Tracer
- **Soft Skills:** Verbal Communication, Analytical Thinking, Troubleshooting, Decision-Making

WORK EXPERIENCE

Team Member – Linux Club

- Designed and deployed an event website, ensuring a smooth user experience.
- Deployed the site on a **Linux-based server** and managed version control with **Git/GitHub**.
- Optimized performance for scalability.

PROJECTS

Continuous Delivery Pipeline

- Built a CI/CD pipeline for a web application using Git integration, enabling automated build, test, and deployment workflows.
- Reduced manual deployment time by **80%**, improving release reliability and reduce production downtime.
- Integrated tools like Jenkins and Docker to standardize environments and automate rollback on failure, enhancing deployment resilience.

Voice Transcriber

- Developed a high-accuracy speech-to-text system using OpenAI Whisper Distill LLM for real-time and batch transcription.
- Ensures precise transcription across diverse accents, languages, and noisy environments, making it ideal for scalable applications.
- Integrated live audio input and transcript export to improve user usability.

Blockchain-based File Integrity System

- Developed a DApp to verify file tampering using Ethereum & IPFS, reducing integrity check time by 70%.
- Deployed 3 smart contracts in Solidity to store and validate file hashes on-chain.
- Achieved 100% tamper detection accuracy in controlled test cases.

CERTIFICATES

- IBM - DevOps, Agile & Design Thinking, June 2025
- IBM - DevOps Fundamentals, June 2025