

# PS BHARATH KUMAR ACHARI

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## SUMMARY

Blockchain Developer with experience in smart contracts, decentralized applications, and secure data storage. Proficient in Solidity, Polkadot, and Web3.js, with a strong foundation in computer science and a passion for optimizing blockchain networks. Adept at integrating cryptographic techniques to enhance security and efficiency.

## EDUCATION

**Centurion University of Technology and Management** | 2021-2025 | Vizianagaram, Andhra Pradesh

- B.Tech. in Computer Science

## EXPERIENCE

**Shamgar Software Solutions** | July 2024 – August 2024 | Blockchain Developer Intern, Visakhapatnam, Andhra Pradesh

- Improved a blockchain-based healthcare application, enhancing model training efficiency by 90% for faster diagnostics.
- Integrated homomorphic encryption, reducing data breach risks by 50% for privacy-preserving computations.
- Optimized network protocols, increasing data transfer speeds by 20% and reducing latency by 10%.
- Incorporated smart contracts for secure decentralized patient data exchange.

## FREELANCE

**Blockchain Developer – Swarm Drone Logs System** | 2024 – Present | Remote

- Developed a private blockchain (Polkadot/Rust) for secure drone log storage, achieving 98% accuracy in real-time data analysis.
- Implemented Proof of Stake (PoS), increasing throughput by 30% and reducing processing time by 15%.
- Encrypted drone logs before storage, ensuring 100% integrity, Optimized retrieval mechanisms, improving data access speed by 50%.

## PROJECTS

**BLOCK STAMP** | Solidity, React, Truffle, Jan 2024

- Led the enhancement of an ERP-based faculty management system by integrating blockchain technology, resulting in a 30% reduction in administrative errors and improved data transparency.
- Developed and deployed a Solidity-based smart contract for faculty registration, streamlining the onboarding process and decreasing processing time by 40%.
- Designed and implemented an immutable, blockchain-powered attendance tracking system, ensuring enhanced data security, accuracy, and eliminating tampering risks.

**BLOCK MEET** | Solidity, React, Node.js, IPFS, Nov 2023

- Built a blockchain-powered video conferencing app with IPFS for tamper-proof meeting archives.
- Enhanced the integrity of recorded sessions, boosting data protection by 85% through transparent and verifiable storage.
- Integrated Keccak256 to securely encode and store IPFS file references on-chain, ensuring immutable access control.

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Solidity, JavaScript, TypeScript, SQL, HTML/CSS
- **Blockchain & Development Tools:** Truffle, Hardhat, Polkadot, Web3.js, Ethers.js, Git, IPFS
- **Frameworks & Libraries:** React.js, Node.js
- **Operating Systems:** Kali Linux, Windows, Ubuntu, Mac

## LEADERSHIP

**Team Lead - Smart India Hackathon (SIH) | Block Meet** | 2023 | National Level

- Led a team of five in developing **Block Meet**, a blockchain-based video conferencing platform.
- Designed Solidity smart contracts for secure and tamper-proof meeting records, improving data integrity by 85%.

**Lead Developer - Block Stamp** | 2024 | University Project

- Directed the development of a blockchain-powered ERP portal for faculty management.
- Utilized smart contracts for faculty registration, reducing administrative errors by 30%.
- Combined a decentralized attendance tracking system, enhancing data transparency.