Aditya Pandey

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EXPERIENCE

BTCLAYER | Blockchain Developer Intern
Dec 2023 – Jan 2024 | remote
- Reduced the time to process ICO-related computations by 25
- Redesigned smart contract structures for optimized efficiency and Security.
- Authored comprehensive documentation and conducted knowledge transfer sessions to enhance project on boarding and maintenance

PROJECTS

HYPERX-CLOUD | AI-Driven Quantum-Resistant Blockchain for Cloud Security
Ongoing | GitHub Repository
- Developing a cloud security framework with AI and quantum-resistant blockchain.
- Utilizing ZKP authentication and lattice cryptography for enhanced protection.
- Implementing AI-powered anomaly detection for real-time threat response.
- Enabling automated threat mitigation to ensure system resilience.

BATSN - BLOCKCHAIN ANTI-TERROR SURVEILLANCE | Secure Anti-Mine Defense System
GitHub Repository | Live Demo
- Developed a blockchain-based surveillance system with AI-powered threat detection, securing data across 3+ nodes with 90% uptime.
- Implemented decentralized access control, reducing unauthorized data modifications by 40%.
- Built autonomous response mechanisms, decreasing threat detection latency by 30%.

GIST - PRODUCTION DEPLOYMENT SERVICE | Scalable Web Deployment Platform
GitHub Repository | Live Demo
- Designed a deployment platform supporting React, Vite, and static sites, handling up to 5 concurrent deployments with 1 ms latency.
- Integrated custom reverse proxy and automated rollbacks, improving deployment success rate by 35%.
- Optimized scalability using Docker, AWS, and CI/CD pipelines, reducing downtime by 50%.

AWARDS

Year	Award	Event
2023	Runner-Up	Smart India Hackathon (SIH) (Team Leader)
2023	Finalist	Hedera Oracle Hackathon
2024	Silver Medal	IBM ICE Day for GIST Project (Team Leader)
2023	Finalist	Chainlink Hackathon
2023	Winner	Tron S5 Hackathon (Team Leader)
2024	Best Head Award	HardWar 3.0 Hackathon (Evaluation Head)

EDUCATION

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Bachelor of Technology in Computer Science with SPECIALIZATION in cyber Security and Forensics
Expected Aug 2026 | Dehradun,India
Cum. GPA: 8.2 / 10.0

SKILLS

PROGRAMMING
Java • JavaScript • Python • TypeScript Next.js • Solidity • SQL

TECHNOLOGIES
MongoDB • PostgreSQL • Redis Docker • AWS • Github Actions • Kubernetes • Foundry Apache Kafka • Hardhat • Ethereum Virtual Machine (EVM) PostgreSQL • Chainlink CCIP • Alchemy • Terraform • Grafana k6 Kali Linux • Postman

COURSEWORK

UNDERGRADUATE
Computer Architecture
Design and Analysis of Algorithms
Data Structures and Algorithms
Operating Systems
Database Management Systems
Object-Oriented Programming
Digital Forensics
IT Data and Network Security
Ethical Hacking and Penetration Testing
Machine Learning
Data Communication and Networks

SOCIETIES

Cyber Sentinels Student Chapter (Technical Head)
WebCrux Community Founder
Smart India Hackathon Finalist

LINKS

Github:// **Aditya Pandey**
LinkedIn:// **Aditya Pandey**