AYUSH SISODIYA

sisodiyaayush203@gmail.com
+91 9771678794
Bengaluru, India

Github LinkedIn

EDUCATION

10th Grade-CBSE
May 2019
95.8%

12th Grade-CBSE
May 2021
91%

PES University
2021-2025
CGPA- 7.81

CODING LANGUAGES

Python | C | Java | Javascript | HTML | CSS | React.js | Node.js | C++

DOMAINS OF SPECIALIZATION

1. Computer Network Security
2. Applied Cryptography
3. Cybersecurity
4. Machine Learning
5. Blockchain
6. Data Structures and Algos
7. Full Stack Web Development

CERTIFICATIONS

1. Introduction to Data Science and AI/ML (PESU IO)
2. Advanced Data Structures and Algorithms - Hackerrank ID:15BE9D63D32C
3. Participation Certificate PESU CTF ISFCR
4. Participation Certificate Digital Forensics Workshop and CTF - PESU ISFCR

PROJECTS

1. **SUPPLY CHAIN TRACKING USING BLOCKCHAIN** Feb 2024

- Implemented blockchain technology to revolutionize supply chain tracking, ensuring transparency and security
- Utilized smart contracts for automated execution of supply chain processes, reducing inefficiencies.
- Integrated cryptographic techniques to secure data and ensure authenticity throughout the supply chain.
- Employed distributed ledger technology for real-time tracking and traceability of goods, enhancing supply chain visibility.
- Resulted in improved accountability and reduced fraud, contributing to enhanced trust among stakeholders.

2. **ECOMMERCE WEBSITE** April 2024

- Leveraged Jenkins for automated CI/CD pipelines, ensuring rapid feature delivery.
- Orchestrated containerized deployments with Kubernetes for scalable infrastructure management.
- Utilized Docker for containerization, ensuring consistency across development environments.
- Implemented microservices architecture for modularity and scalability.
- Resulted in a resilient e-commerce platform, capable of high availability and performance under heavy loads.

3. HUMAN RESOURCE USING INTELLIGENT BLOCKCHAIN RECOMMENDATION SYSTEM December 2023 - August 2024

- Blockchain Implementation: Developed a secure and transparent HR system using [Blockchain Platform, e.g., Ethereum, Hyperledger], ensuring immutable records for employee data and transactions.
- AI and ML Integration: Designed and deployed AI/ML models using [Frameworks, e.g., TensorFlow, PyTorch] to provide intelligent recommendations for recruitment and employee development.
- NLP and Data Analytics: Applied NLP techniques with [Libraries, e.g., NLTK, spaCy] for text analysis and utilized big data tools like Hadoop and Tableau for insightful data analytics and decision-making.

EXPERIENCE

IIT Indore **05/2024-08/2024**
Research Intern – Cybersecurity

- Malware Analysis and Detection: Conducted in-depth research on analyzing and detecting malware, employing advanced techniques to identify and mitigate threats.
- Model Development: Created sophisticated models using machine learning algorithms to analyze and detect new vulnerabilities and malware, enhancing system security.
- Vulnerability Detection: Developed and tested frameworks for identifying emerging vulnerabilities, contributing to proactive cybersecurity measures.