Cholleti Sai Pranith

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Education

Institute of Aeronautical Engineering, B.Tech Computer Science Engineering — 2022 – 2025
- CGPA: 7.65/10.0
- **Relevant Coursework:** Cybersecurity, Network Security, Database Management, Data Structures

Government Polytechnic Nalgonda, Diploma Computer Engineering – 7.77 — 2019 – 2022

Technical Skills

Programming: C, C++, Python, Java, SQL, HTML, CSS, JavaScript

Cybersecurity: Kali Linux, Penetration Testing, Vulnerability Assessment, Network Security, Encryption Algorithms

Cloud & Database: AWS (EC2, S3, RDS), Database Management, SQL Server

Projects

Image Security Enhancement using RSA and Chaos Algorithms — 2024
- Developed hybrid encryption system combining RSA cryptography with chaos theory
- Implemented dual-layer security architecture for enhanced image protection
- Applied cryptographic algorithms and security analysis for data protection
- **Tools:** Python, Cryptographic Libraries, RSA Algorithm, Security Testing

Smart Health Prediction System — 2023
- Built predictive healthcare system using machine learning and data mining
- Processed Electronic Health Records (EHR) with data preprocessing techniques
- Implemented feature extraction and pattern recognition algorithms
- **Tools:** Python, Machine Learning Libraries, Data Analytics

Airlines Management Database System — 2022
- Designed comprehensive database system for airline operations management
- Implemented CRUD operations and database optimization techniques
- **Tools:** SQL, Database Management Systems, System Design

Experience

Cloud Computing Intern, AWS | NSIC | ECIL — July 2023
- Completed 15-day intensive training on Amazon Web Services cloud platform
- Gained hands-on experience with AWS EC2, S3, RDS services
- Learned cloud security fundamentals, scalability, and cost optimization
- Applied cloud architecture best practices and security frameworks

Certifications & Skills
- AWS Cloud Computing Training Certificate
- Information Security and Cryptography
- Network Security and Vulnerability Assessment
- Linux System Administration