Chandra Deep Kona

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Education

AMRITA SCHOOL OF ENGINEERING
B.Tech in Computer Science
📅 2018 - 2022   📍 Amritapuri, India
Graduated with a GPA of 6.95

FIIT-JEE JUNIOR COLLEGE
Board Of Intermediate Education
📅 2016 - 2018   📍 Vijayawada, India
Percentage: 74%

NALANDA VIDHYA NIKETAN
Central Board Of Secondary Education
📅 Mar 2016   📍 Vijayawada, India
GPA: 7.0

Honors

CRYPTOHACK ↗
In Top 100 on CryptoHack
Currently ranked **6th Nationally** and
76th Internationally in **CryptoHack**
An ongoing contest with lots of
challenges about Cryptography
a.k.a **pyr0** ↗

NSUCRYPTO OLYMPIAD ↗
Ranked 10 in Research Round
Secured **10th** place Internationally in
Cryptography Olympiad conducted
by Novosibirsk State University
NSUCRYPTO'20 ↗

Skills

TECHNICAL SKILLS
Cryptanalysis • Problem Solving

PROGRAMMING
Python • SageMath • Solidity • C • Go

MISCELLANEOUS
Shell • LaTeX • Markdown

FRAMEWORKS
Z3 SMT Solver • Pwntools • Brownie •
Pycryptodome

TOOLS
Git • Docker • GDB (peda)

PLATFORMS
GNU/Linux • MacOS

Links

🐙 GitHub   github.com/chandukona ↗
in Linkedin   chandu-kona-394582153 ↗
🐦 Twitter   @chandu_kona ↗
G Gmail   chandukona12345@gmail.com ↗

Experience

TEAM BI0S ↗
Crypto Team Lead, Student Researcher, and Mentor
📅 2018 – 2022   📍 Amritapuri, India
- **Ranked-1 CTF team** ↗ in India every year since 2016 and **globally ranked 21** ↗ among 24000 teams in 2019.
- Worked on **Cryptographic encryption protocols** based on real-world usage and solved challenges based on them during **Capture The Flag competitions**.
- Conducted multiple **sessions** for freshmen year students in the university on **Python Programming** and **Cryptography**.
- **Organized multiple CTFs** (Jeopardy and Attack Defence) and Events.

Projects

IMPLEMENTATIONS
- Attacks
Implemented various attacks on cryptographic standards including **AES, DES, Textbook-RSA, Elliptic Curves, MAC, Discrete-log, Hashes** and **Diffie-Hellman**.

INCTF EVENTS ↗
Core organizing team & Challenge Author
- Organised **InCTFj** for high school students, **InCTF** for University students of India, and **InCTFi** Internationally.
- Authored, tested, and deployed 10 beginner, 5 medium & 12 advanced level crypto challenges.

TRABODA ↗
Cybersecurity startup
- Designed security challenges for Traboda, an ed-tech startup providing innovative & scalable solutions for tackling cybersecurity threats.
- Lead content creator - Produced content related to cybersecurity topics for traboda academy and bi0s wiki.

CTF Competitions

- Finalists in **Securinets CTF** Finals [**4th** place globally]   - 2021
- Runners Up in **CTFZone** [**5th** place globally]   - 2021
- Winners in **DarkCTF** [**1st** place globally]   - 2020
- Runners Up in **Byte Bandits CTF** [**2nd** place globally]   - 2020
- Runners Up in **Crypto CTF** [globally 37 and **1st** in India]   - 2019
- Runners Up in **ISITDTU CTF** Finals [**2nd** place globally]   - 2019

WEB3 CTFs

- Ethernaut CTF ↗
- Capture The Ether CTF ↗
- Damn Vulnerable DeFi CTF ↗