

Chandra Deep Kona

+91 9848040146 @ chandu_kona@icloud.com chandukona.github.io

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
in **Top 100** Internationally in
CryptoHack
An ongoing contest with lots of
challenges about Cryptography
under the alias **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 • Java • C

MISCELLANEOUS

Shell • \LaTeX • Markdown

FRAMEWORKS

Z3 SMT Solver • Pwntools • Brownie •
Apeworx • Pycryptodome

TOOLS

Git • Docker • Slither • GDB (peda)

PLATFORMS

GNU/Linux • MacOS

Links

GitHub github.com/chandukona

in LinkedIn [chandukona](#)

Twitter [@chandu_kona](#)

G Gmail chandukona12345@gmail.com

Experience

TEAM BIOS

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.
- Active CTF player with focus on **Offensive Cryptography** and **Cryptanalysis of standard cryptosystems**.
- Active in mentoring students on **Cryptography Exploitation techniques** and **Advanced Python**.
- Core organizer for numerous CTF's hosted by bi0s (including **Attack&Defence** and **Jeopardy** formats).

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.

Projects

EXPLOIT IMPLEMENTATIONS

- CRYPTOGRAPHY

Implemented various attacks on cryptographic standards including **AES**, **DES**, **Textbook-RSA**, **Elliptic Curves**, **MAC**, **Discrete-log**, **Hashes** and **Diffie-Hellman** like **AES-Byte at a time**, **Padding oracle**, **Hash length extension** and **Pohlig-hellman on both Finite-Field DLP and ECDLP**.

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.

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 [completed]

- Ethernaut CTF [WRITEUPS]
- Capture The Ether CTF [WRITEUPS]
- Damn Vulnerable DeFi CTF [WRITEUPS]