



D Nikhil Reddy

Software Developer

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📄 PROFILE

Highly motivated professional with diverse expertise in CTFs, Software Development, and blockchain. Driven to continuously learn and excel in challenging environments, seeking new opportunities for skill enhancement.

🎓 EDUCATION

Bachelors of Technology in Electrical and Computer Engineering,
Amrita School of Engineering
2020 – present | Amritapuri, India
CGPA - 9.08

Graduation, DBMS English School
2006 – 2020 | Jamshedpur, India
ICSE - 94.2% ISC - 80%

🧠 SKILLS AND LANGUAGES

Front-End Development (Python, HTML, CSS, Javascript, React, Next.js)

Back-End Development (Node.js, Express.js, Google Cloud Functions, Solidity)

Exploit Development (C Programming, Stack and Heap Memory Exploitation)

Databases (MongoDB, Firestore, Google Cloud Platform)

Blockchain (Solidity, web3.js, Ganache testing, Ethereum)

Tools (Github, Gitlab, GNU Debugger, Ghidra, IDA, WireShark, Ganache, Remix IDE, VSCode)

🌐 LEADERSHIP AND GLOBAL ENGAGEMENTS

Vidyut National Level Multifest 2023,
Core Organisational Committee Member - Sponsorship
02-2023 – 05-2023

- Core team member for the college's biggest technical + cultural fest, securing sponsorships worth **40 lacs**.

EthIndia Hackathon 2022, Participant
12-2022 | Bangalore

- Built **OpenSci** - A platform leveraging blockchain technology to enable young scholars to publish research papers at reduced costs.

BlackHat USA Conference 2021 & 2022,
Student Scholar
2021 – 2022

- Attended the BlackHat USA Conference as a recipient of a student scholarship worth **3 lacs** for **two consecutive years**

💼 PROFESSIONAL EXPERIENCE

Software Developer Intern, Deciml 🌐

06-2023 – present | Pune, India

- Developed a feature that focuses on generating insightful analytics, including daily **app installs**, **KYC** success rates, daily **debit amounts**, and current **AUM**.
- Created a **Transaction Detail** feature that provides comprehensive details about a client transaction, enabling the CRM team to efficiently respond to consumer inquiries.
- Developed a feature that supports **multiple portfolios** and provides monthly details for each user's portfolios.
- Integrated additional user data, including **cumulative** balance, total **withdrawals**, individual **portfolio** balances, **invested** amounts, **interest** earned, and **profit** and **loss** gains.

CTF Player, Team Bi0s 🌐

11-2020 – 04-2022 | Amritapuri

- Contributed to the team's success in achieving a global ranking of **29th** and securing the **1st** position in India in 2021
- Secured an impressive **7th** place finish in **ISIDTU CTF**
- Achieved a remarkable **3rd** place finish in **WPICTF 21**
- Secured a notable **2nd** place finish in **SecurinetsCTF Quals 21**

Cybersecurity Trainer, Traboda Cyberlabs 🌐

09-2021 – 01-2021 | Amritapuri

- Conducted live video sessions on binary exploitation that attracted a large audience of **3000+ students**.
- Crafted CTF challenges for **InCTF 2022**.
- Author technical content modules on binary exploitation which has **40k+ views**.

📁 PROJECTS

NightKing-CMS 🌐

- A MERN Stack **Content Management System** Web Application - A robust and efficient web application built using the MERN stack (MongoDB, Express, React, Node.js).
- It facilitates seamless content management, enabling users to **create**, **edit**, and **organize** diverse types of content with ease.

M1dn1ght-Campa1gn 🌐

- A decentralized **crowdfunding** platform developed using Solidity, allowing individuals to raise funds for their projects through **smart contracts** on the blockchain.
- Integrated secure Ethereum wallets and encryption measures for safe and convenient contributions and data protection.

Malloc Labs, A dynamic storage allocator for C programs, i.e., my own version of the malloc, free and realloc routines

- Implemented the malloc() function with **92% accuracy**, showcasing a strong understanding of heap memory management.