



Raunak Asnani

B. Tech – Computer Science and Engineering - IIT Dhanbad



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PROJECTS

ISMVerse — “IIT Dhanbad but virtual” (Feb 2022 – April 2022) [Hackfest’22]

- Collaborated with a team of 4 to develop a metaverse model of IIT Dhanbad
- Developed an interface between Unity and remote server. Created endpoints for managing the database
- Integrated load balancers on Amazon EC2 for production deployment

Tech stack: C#, PHP, MySQL, HTML, CSS, AWS EC2

Links: [GitHub](#) [Live](#)

OSWAP — “A full stack dockerized wargame” (Dec 2021 – Jan 2022)

- Developed a [wargame](#) consisting of vulnerable web-apps aimed at imparting web security knowledge, in coordination with two peers
- Vulnerabilities ranging from SQLi, SSTI, RCE
- Docker-compose for one-shot deployment of containers and dynamic flag systems.
- Cronjobs to sync containers and database

Tech stack: Flask, Python, PHP, MySQL, Docker, NodeJS

Links: [GitHub](#) [Live](#)

ShopKart — “An e-commerce website” (Dec 2021 – Jan 2022)

- E-commerce website built on Django framework.
- Prominent features include login/sign-up, product listings, placing orders, and customer support
- Admin panel functionality for managing the site

Tech stack: Django, HTML, CSS, Bootstrap, SQLite, Heroku

Links: [GitHub](#) [Live](#)

CTF ACHIEVEMENTS AND BUGBOUNTY

- Reported vulnerabilities to Intel, Sony, Snapchat, Paytm, Twilio, Indeed, Xiaomi, Yelp
- 1st place in [Xpecto'22](#) organized by IIT Mandi
- 1st place in [Sacramentum CTF](#) 2021 held by Arizona State University
- 1st place in Scythe CTF 2021 conducted by IIT Roorkee
- 2nd place in [Squid game CTF](#) hosted by IIT Goa
- 2nd place in GLSC CTF 2021 organized by red team Michigan Technological University
- #500 on [Hack the Box](#) and #1879 on [Bugcrowd](#)

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — Bachelor of Technology in Computer Science and Engineering

2020 - 2024 CGPA – 9.25

Seth Anandram Jaipuria School, Ghaziabad

12th - CBSE - APRIL 2019 - APRIL 2020 - 97.8%

10th - CBSE - APRIL 2017 - APRIL 2018 - 94.8%

SKILLS

Strong: C++, C, Python, PHP, Web app security testing

Intermediate: HTML, CSS, Arduino

Beginner: MySQL, JavaScript, C#, Bootstrap

Frameworks: Django, Express, Selenium

Tools: Git, Docker, GDB

Miscellaneous: Linux Administration, EC2, Assembly

COMPETITIVE PROGRAMMING

PLATFORM	USERNAME	RATING
CodeForces	@imraunn	1391
CodeChef	@anothernoob	1942

ACHIEVEMENTS

- KVPY Fellow, **AIR 410**
- Among **400** candidates selected for the **INPhO**
- **Winning project** in Winter of Code 2021 – a hackathon by Cyber Labs
- **5th** in Code Spectrum – a contest by **ACM, IIT Dhanbad**
- Reported a **critical SQLi vulnerability** in a national asset to the **Government of India**
- Member of CTF team ranked **#6 in India, #69 worldwide** in 2021
- **Global rank 103** in March Lunchtime 2022 Division 3
- **Global rank 362** in Starters 41 Division 2

OPEN ONLINE COURSES

- Pursuing [pwn.college](#) [CSE466] by **Arizona State University** for core cybersecurity concepts

POSITIONS OF RESPONSIBILITY

- **Division Head** at **Cyber Labs Infosec Division**
- **Core member** of technical team **HackFest'22**