OORJA GANGA SINGH

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OBJECTIVE

Aspiring Cyber Security professional with a keen desire to optimize her skills for contributing towards a safe and secure internet. Committed to consistently upgrade her analytical and technical skills to lead in an ever evolving field.

EDUCATION

- **Bachelor of Computer Science (Specialization in Cyber Security)** 2020 - Present, Sushant University, Gurugram, India
- **Senior Secondary (PCM with Python Programming)** 2018 - 2020, Delhi Public School, Sector - 45, Gurugram, India

CERTIFICATIONS

- **AWS Cloud Quest: Cloud Practitioner,** Amazon Web Services (AWS), September,2023
- **Microsoft Certified: Security, Compliance, and Identity Fundamentals**, Microsoft, Jun 2023
- **Foundations of Operationalizing MITRE ATT&CK**, AttackIQ, Jan 2023
- **Threat Hunting Bootcamp**, Virtually Testing Foundation, Jan 2023
- **Python for Data Science, AI & Development**, IBM Skills Network, Sep 2022
- **Crash Course on Python by Google**, Coursera, April 2022
- **GIT & Github Basics for Coders**, Udemy, Aug 2021
- **Cybersecurity Fundamentals**, IBM SkillsBuild for Students & Educators, Jul 2021

INTERNSHIPS

WEB APPLICATION PENETRATION TESTER   Jun 2023 - Jul 2023

India Meteorological Department, New Delhi, India

- Conducted an assessment of two applications, analyzed their architecture, technologies, and vulnerabilities.
- Discovered a total of 16 vulnerabilities and prioritized them based on severity and impact.

SOFTWARE INTERN   Jul 2022 - Sep 2022

Inflection Point Ventures, Gurugram, India

- Built an Investment Forecasting Model from scratch in Python. The ML model predicts investor commitment and startup fundraising based on market intelligence.

PROGRAM INTERN   Jun 2021 - Jul 2021

Cyber Crime Cell, Gurugram Police, Gurugram, Haryana

- Applied cyber forensics tools, OSINT & SpiderFoot, to investigate social media, mobile, and dark web crimes.
- Participated in "Capture The Flag" challenge by Hackershala & researched on VAPT, Cloud Security & Cryptocurrency.

PROJECTS

- **Securing Network Devices with Packet Tracer,** Apr 2023
  - Designed network, secured switches, routers, enabled inter-VLAN communication, configured DHCP, and port security.
- **Visual Cryptography - Encryption and Decryption (Ongoing)**, Mar 2023
  - Implemented encryption/decryption options for text, audio, video, and image using Python, Tkinter, and Microsoft SQL Server.
- **Student SGPA Predictor**, Feb 2023
  - Forecasted the Semester Grade Point Average (SGPA) through the use of supervised machine learning techniques.

ARTICLES

- **The Intersection of Cybersecurity and Physical Security: Real-Life Examples,** May 2023
  - Highlights the vulnerability of critical infrastructure systems to cyber attacks, which can have physical consequences and provides examples of SCADA attacks on water treatment plants and power grids, emphasizing the potential for serious harm and disruption.

- **Protecting Your Online Identity: OSINT and Common Ways Hackers Utilize It**, Feb 2023
  - Discusses how hackers can use publicly available information on the internet to launch various attacks and emphasizes the need to be cautious with personal information shared online.
  - Provides examples of OSINT-based attacks, such as reconnaissance, spear-phishing, social engineering, and identity theft.

- **5 Innovative Cybersecurity Startups from India**, Feb 2023
  - This article explores five groundbreaking Indian cybersecurity startups revolutionizing the industry with innovative solutions.

TECHNICAL SKILLS

- **Programming Languages**: C, Python, Java, Bash
- **Web Development**: HTML, CSS, JavaScript, PHP
- **Operating Systems**: Windows, Linux
- **Database System**: MySQL
- **Graphic Design Software**: Figma, Canva

LANGUAGES

- Hindi, English, French (DELF A2)

SOFT SKILLS

- Communication, Problem-Solving, Critical Thinking, Adaptability