

# ARYAN NIGAM

📍 Prayagraj, UttarPradesh -211016

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## Experience

### LagaLand ,Remote

Sep 2024 - Oct 2024

- Developed SaloonX Platform: Built a MERN-stack platform to digitalize the salon industry in Tier 2 and Tier 3 cities, providing salon discovery, real-time booking, service comparisons, and customer reviews.
- Implemented features using React.js, Node.js, Express.js, and MongoDB, including secure authentication with JWT, admin dashboards, and third-party payment gateway integrations.

## Education

### University of Petroleum and Energy Studies Dehradun

August 2021 – Present

Bachelor of Technology in Computer Science

CGPA : 7.19

### M.V Convent School Prayagraj

March 2020 – March 2021

Intermediate / Board-CBSE

Secured 69%

## Projects

### Automated Network Vulnerability Scanner / Python, Nmap, Scapy, PyQt6

Aug 2024 - Dec 2024

- \* Developed a Python-based network vulnerability scanner that utilizes Nmap and Scapy for automated scanning and real-time threat detection.
- \* Integrated live CVE lookup from MITRE to cross-check vulnerabilities, ensuring up-to-date risk assessments.
- \* Designed a PyQt6-based GUI for an interactive user experience and packaged the tool as a standalone EXE for portability.

### Ransomware Simulator / Python, AES Cryptography, Logging Mechanism

Aug 2023 - Dec 2023

- \* Designed a Python-based ransomware simulation tool to test an organization's preparedness for real-world attacks.
- \* Implemented AES encryption and decryption algorithms to simulate data encryption by ransomware, allowing organizations to evaluate their response strategies.
- \* Developed a logging mechanism to track encryption events, aiding in forensic analysis and recovery planning.

## Relevant Coursework

- |                       |                     |                   |
|-----------------------|---------------------|-------------------|
| • Data Structures     | • Computer Networks | • Cloud Computing |
| • Database Management | • OOPS              |                   |

## Technical Skills

**Languages:** Java, Python, SQL,

**Database:** MySQL

**Security:** Information Security, Cryptography, Network Security

**Operating Systems:** Linux CLI, Windows

**Tools:** Nmap, Nessus, Shodan, Metasploit

## Certificate

- AWS Academy Graduate – AWS Academy Cloud Foundations in November 2024.
- Web Security and Bug Bounty: Learn Penetration Testing in June 2024.
- Complete Ethical Hacking Bootcamp in June 2024.
- Threat Intel and Dark Web in June 2024.
- Generative AI Workshop in September 2023.

## Awards and Achievements

- Member of Ras Rang Raag in Photography Club – The Cultural committee of UPES in 2024.
- Organizing Member in Photography Club of International Conference on Business Digitisation and Sustainability in 2023.