

# Aditya Verma

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## Technical Skills

- **Languages:** C, C++, Java, Python, SQL, JavaScript, HTML, CSS
- **Data Science:** Pandas, NumPy, Scikit-learn, Seaborn
- **Visualization:** Matplotlib, Tableau, PowerBI
- **Tools:** Git, Jupyter Notebook, Python IDLE, VS Code
- **Soft Skills:** Problem-Solving, Critical Thinking, Adaptability

## Training

### Cybersecurity & Ethical Hacking — LPU

May'24 – Jul'24

- Completed hands-on training focused on Cybersecurity fundamentals, Ethical Hacking methodologies, and real-time threat analysis.
- Project Focus: Built a Cyber Threat Intelligence Dashboard capable of scanning networks, identifying vulnerabilities, and visualizing threat patterns.
- Utilized tools including Metasploitable2, Wireshark, Zphisher, IP Logger, Email Forensics Toolkit, Social Engineering Toolkit (SET), and Linux.
- Implemented modules for port scanning, malware detection trends, blocked vs allowed traffic visualization, and activity logs, improving threat visibility by 35%.
- Enhanced incident response efficiency by automating vulnerability summaries and highlighting high-risk IPs and misconfigurations.

## Projects

### Road Accident Dashboard | Excel, Power Pivot, Data Visualization

Feb'25

[LinkedIn](#)

- Developed an interactive Excel dashboard analyzing accident data across major Indian cities using Power Pivot, slicers, and dynamic charts.
- Extracted key insights including highest fatality city (Delhi), most impacted vehicle type (Two-Wheelers), and dominance of injury-related cases.
- Designed a clean, intuitive interface with strong visual formatting to enhance user-driven exploratory analysis and decision-making.

### Educational Statistics Analysis (India) | Python, Pandas, Seaborn

Feb'25

[GitHub](#) | [LinkedIn](#)

- Performed descriptive statistics and exploratory analysis to study literacy rates, education levels, and rural–urban differences across Indian states.
- Applied hypothesis testing (t-test, Chi-Square) to examine gender-based and region-based educational disparities with statistically significant results.

- Built regression plots, correlation matrices, and statistical visuals to highlight evolving educational patterns and demographic insights.

## Global Space Exploration Dashboard | Power BI, DAX, Data Visualization

[GitHub](#) | [LinkedIn](#)      Feb'25

- Designed an interactive Power BI dashboard to analyze global space missions across countries, agencies, and launch sites.
- Implemented KPI cards, slicers, maps, and comparative visuals to track mission count, success rate, and budget trends.
- Executed DAX measures to enhance drill-down functionalities, which increased user engagement with analytical tools by creating visualizations for over 1M+ data points processed monthly.

## Certifications

- Cloud Computing — NPTEL | [Certificate](#)      May'25
- Python 3 Fundamentals — Udemy | [Certificate](#)      Feb'24
- Generative AI Apps — Infosys | [Certificate](#)      Sep'25
- Computer Networking — Coursera | [Certificate](#)      Sep'25

## Achievements

- Built rapid prototypes in university hackathons, demonstrating innovation and teamwork.
- Secured **Second Position** in XPLO(IT)<sup>2</sup>, an offline Capture The Flag (CTF) competition organized by the OWASP Club of Thapar University, solving 7+ challenges in web exploitation, cryptography, OSINT, and security analysis under time constraints.

## Education

Lovely Professional University <i>B.Tech. in Computer Science and Engineering</i>	Aug 2023 - Present CGPA: 7.60
Hope Hall Foundation School <i>Intermediate Education, C.B.S.E</i>	2022 81.2%
Hope Hall Foundation School <i>High Secondary Education, C.B.S.E</i>	2020 82.6%