

# SHRESTHA BEHERA

shrestha26kld@gmail.com  
8260707741  
New Delhi

## Summary

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Dynamic **Cybersecurity Engineer** and **Software Developer Trainee** with expertise in penetration testing, secure software development, and financial analysis. Published researcher under DRDO, contributing to defense projects like DHARASHAKTI and AGNI-5. Skilled in network security, full-stack development, and delivering innovative, impactful solutions.

## Experience

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### Cybersecurity Intern

DLRL, DRDO • Hyderabad, Telangana

06/2023 - 07/2024

- Conducted cybersecurity research under DRDO, publishing a thesis on advanced encryption techniques.
- Developed the "Multimedia Translator" for the Indian Army to decrypt and analyze terrorist data.
- Contributed to DHARASHAKTI and AGNI-5 projects, supporting defense export strategies.
- Engineered encryption algorithms to secure sensitive military data and enhance threat analysis.
- Automated translation of complex intelligence data into actionable insights for military operations.

### Freelance

Brave Software • India

08/2021 - 07/2024

- Delivered end-to-end website development using React.js and full-stack technologies to meet client requirements.
- Leveraged cryptocurrency earnings through web development projects, successfully converting Bitcoins into INR.

### Intern

JP Morgan Chase & Co. • Delhi

01/2023 - 02/2024

- Analyzed and mitigated security vulnerabilities such as Buffer Overflows, SQL Injection, and XSS to enhance system security and also analyzed the financial assessments.
- Conducted traffic analysis using Wireshark and tcpdump to monitor and secure network communications.
- Developed skills in Linux-based system administration for securing servers and implementing security measures.

### Google Development Student Council (GDSC) Team Leader

Google • India

03/2022 - 02/2024

- Led a team to design and patent the "Scientific Calculator for Space Scientists," a software application for ISRO.
- Received recognition for technical innovation from institutional leaders and ISRO scientists.

## Skills and Certifications

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Penetration Testing, Python, C, C++, PHP, JavaScript, TCP/IP, DNS, Firewall Management, Wireshark, tcpdump, Linux, Windows, Problem-Solving, Critical Thinking, Communication, Team Leadership, GIAC Certification, CompTia+ Certification, CHFI Certification, GPEN Certification, OSCP Certification, CEH Certification

## Education

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### BTech in Computer Science Engineering - 9.57 CGPA

Lovely Professional University • Punjab

07/2024