

# Vishal Balani

Delhi NCR, INDIA

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## Career Objective

Dedicated student pursuing a degree in software engineering with a strong background and hands-on experience in project works. Actively seeking opportunities in the fields of software engineering, IT, or related areas, to leverage my skills gained through various projects and contribute to innovative endeavors. Aiming to serve a professional organization, continually learn and upgrade my knowledge, and contribute 100% towards productivity and quality. Committed to offering fresh ideas for process improvement to enhance operational efficiency.

## EDUCATION

### Bennett University

Noida, India

#### BTech in Computer Science

Sep 2021 - Current

- Specialization: Cyber Security
- CGPA: 9.12
- Courses: Design And Analysis Of Algorithms, System And Network Security, Linux And Shell Programming, Database Management Systems, Web Technologies, Operating Systems, Microprocessors And Computer Architecture , Software Engineering

### Vidya Bharti Sr. Sec. School

Rajasthan, India

#### CLASS XII

Jul 2020 - May 2021

- Percentage: 90.00%
- Played Under-19 Inter School Cricket tournament

## WORK EXPERIENCE

### Internship Studio

Remote

#### Ethical Hacking

May 2023 - Jun 2023

- Conducted comprehensive reconnaissance and vulnerability assessments on diverse networks and web applications utilizing industry-standard tools such as Burp Suite and NetSparker.
- Executed rigorous penetration testing to identify and exploit security weaknesses, providing valuable recommendations for effective mitigation.
- Prepared and presented detailed vulnerability assessment reports encompassing testing methodologies, testing environments, findings, proof of concept, impact analysis, and step-by-step remediation strategies for each identified vulnerability.
- Acquired knowledge of best practices and industry standards in threat and vulnerability management.

### Telstra

Remote

#### Cybersecurity Virtual Experience Program

Jun 22nd, 2023

- Participated Telstra's one-day Virtual Experience Program, a self-paced online program facilitated by Forage.com, gaining practical insights into Telstra's work environment, values, and different roles within the company.
- Developed practical skills in responding to and mitigating malware attacks, conducting incident postmortems, and restoring normal operations using industry-standard tools and techniques.
- Acquired knowledge of cybersecurity best practices and effective incident management.

## PROJECTS

### MYPORTFOLIO

#### Flutter Project

Apr 2023 - May 2023

- Developed a personal portfolio application using Flutter framework.
- Designed an engaging app that showcases my skills, projects, and professional background.
- Created an interactive platform to highlight my abilities, accomplishments, and expertise.

### Network Exploitation

#### Network Security

Mar 2023 - May 2023

- Designed and developed a tool/script using Kali Linux to identify and exploit common network vulnerabilities.
- Focused on pre-connection attacks, unauthorized access, and post-connection attacks.
- Utilized techniques such as WEP cracking, fake authentication attacks, ARP request replay attacks, and more.
- Currently working on a research paper highlighting effective security measures to safeguard organizations against these threats.

### HoneyTrail

#### SSH (Secure Shell) Honeypot

Mar 2023 - Apr 2023

- Developed Honeytrail, an SSH honeypot using Python, to enhance network security threat analysis.
- Collected valuable data on SSH attacks, contributing to the improvement of network security.
- Created a comprehensive documentation website with installation guidelines to facilitate the utilization of Honeytrail.

## Wellbeing Statistics

### Native Android Application

Feb 2023 - Mar 2023

- Developed a user-friendly Wellbeing Statistics App using Application Usage Activity APIs, Java, and XML.
- Utilized Application Usage Activity APIs to map and track users' app usage patterns.
- Implemented a chronological display of app usage data to enable users to make informed decisions about their digital lifestyle.
- Published the app on the Google Play Store, making it accessible to a wider audience.

### PassVault

### Native Android Application

Jul 2022 - Aug 2022

- Designed and implemented a secure password storage and generation functionality.
- Implemented Base64 encryption to protect app data against unauthorized access.
- Published the application on the Google Play Store, making it available for user installation.

## SKILLS

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**Programming** Python, C++, SQL, Dart, HTML, CSS.

**Miscellaneous** Linux, Shell(Bash/Zsh), LaTeX(Overleaf), Firebase, Git, Deploy Apps in Google Play.

**Soft Skills** Project Management, Teamwork, Critical Thinking, Problem-solving, Engaging Presentation.

## AWARDS & CERTIFICATIONS

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May 2023 , Certified Network Defender (CNDv2)

Nov 2022 Top 30%, Linux (LinkedIn Skill Assessments)

Nov 2022 , Linux Training Course

Oct 2022 51/500, NCOE Embedded Security CTF

Jun 2022 , The Comprehensive Android App Development Masterclass

## Interests

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### Linux

Since 2020, I have developed a deep passion for Linux. Exploring its versatile capabilities and open-source nature has captivated my interest. I enjoy delving into the intricacies of Linux distributions, command-line interface, shell scripting, and system administration.

### Video Games

I enjoy playing games on various platforms, I particularly find enjoyment in mobile gaming. Exploring different genres and experiencing immersive gameplay on my phone brings me great satisfaction and entertainment.

## Languages

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**English** Intermediate proficiency

**Hindi** Native proficiency