



# Shaswat Manoj Jha

B.Tech - Computer Science & Engineering, 4<sup>th</sup> Year  
B.Sc. - Data Science & Programming, 1<sup>st</sup> Year

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+(91) 8269110800

Currently at :  
Chembur, Mumbai

## SKILLS

Data Science

★★★★★

Cyber Security

★★★★★

DBMS & SQL

★★★★★

Statistics

★★★★★

Web App VAPT

★★★★★

## APPS/LIBRARIES

Microsoft Office

★★★★★

NumPy & Pandas

★★★★★

Matplotlib

★★★★★

Power BI / Tableau

★★★★★

Burp Suite

★★★★★

Nessus NetCAT

★★★★★

Metasploit

★★★★★

NMAP

★★★★★

HPing

★★★★★

Qualys

★★★★★

## About

**Career Objective:** I'm seeking to leverage my interpersonal, management & technical skills. Desirous of a role in **Cyber Security** or **Data Science**. I would wish for a good work culture, positive ambience, non-monotonous challenging job and most crucially a constantly glaring career growth, technically and financially.

I believe, my quick learning ability and consistent curiosity makes a flawless combination, which keeps pushing me forward in the field of Computer Science.

### Soft Skills:

Team Handling

Self-Directed

Friendly

Negotiation

Initiator

Humorous

Problem Solving

Growth Oriented

Good Listener

## Education



**Bachelor of Science:** Data Science and Programming  
Indian Institute of Technology (IIT) Madras, Online

[2020 - 2023]



**Bachelor of Technology:** Computer Science Engineering  
Madhyanchal Professional University, Bhopal

[2018 - 2022]



**Senior Secondary (XII):** Science Stream  
Andhra Association English School, Jamshedpur

[2016 - 2018]



**Secondary (X)**  
S.D.S.M. School for Excellence, Jamshedpur

[2015 - 2016]

## Work Experience

### Senior Analyst - Cyber Security

**Nangia and Co LLP, Mumbai**

[June 2022 - Present]

- ✓ Conducting Vulnerability Assessments of Network and Security Devices using various open source and commercial tools.
- ✓ Conduct penetration test and launch exploits using Nessus, Metasploit, Backtrack penetration testing distribution tools sets.
- ✓ Research and maintain proficiency in computer network exploitation, tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding, network security, and encryption.
- ✓ Analyze scan reports and suggest remediation / mitigation plan.
- ✓ Audit configuration of Network and Security. Firewall, IPS, VPN, Gateway security solutions (proxy, web filtering)
- ✓ Performing OWASP top 10 Assessment, Web Application Security Audits and Mobile Pentesting.
- ✓ Working on multiple operating systems including **Kali Linux, BackTrack, Ubuntu and Windows** as per task requirements.

## ➤ Certified Trainings

- ❖ Advanced Python Programming
- ❖ C Programming
- ❖ Python 101 for Data Science
- ❖ Data Science Training
- ❖ Coursera's The Data Scientist's Toolbox
- ❖ Advanced Excel Training
- ❖ Ethical Hacking Training
- ❖ Certified Network Security Specialist
- ❖ Cyber Security Foundation Professional Certificate
- ❖ 2 Accredited Professional Certification :

[COCE, Jamshedpur]

[SIIT, Jamshedpur]

[IBM]

[6 Weeks at Internshala Trainings]

[Johns Hopkins University]

[4 Weeks at Internshala Trainings]

[8 Weeks at Internshala Trainings]

[International Cybersecurity Institute]

[CertiProf]

[SkillFront]

🚩 SkillFront: IT Service Management Associate



🚩 SkillFront: Information Security Associate



- ❖ Machine Learning with Python
- ❖ Project Management Essentials Certification

[Academy Europe Open University]  
[Management & Strategy Institute :: MSI]

## ➤ Internships

- ❖ **Advanced Dynamic Application Security Testing**  
Tata Consultancy Services [TCS] - Remote Internship

[Jun 2020 - Aug 2020]

- ✓ TCSiON conducted an online entrance exam, qualifying which was compulsory to enter the internship.
- ✓ The complete internship was of 210 hours which took around 60 days to complete.
- ✓ This Remote Internship comprised of various activities, including self-learning sessions, webinars, project work, and few collaborative activities.
- ✓ I was working on various manual **Dynamic Application Security Testing [DAST]** techniques and automated tools including Burp Suite, SQL Map & OWASP Zap Vulnerability Scanner, to uncover security vulnerabilities in web applications.
- ✓ In the final project report, I secured 84% marks. [\[View Project\]](#)

- ❖ **Data Science & Business Analytics**  
The Sparks Foundation, Singapore - Online Internship

[Dec 2020 - Jan 2021]

- ✓ Wrote codes to collect, crunch and analyze data from internal and external sources.
- ✓ Built and tuned machine learning models using R, Python, and sci-kit-learn.
- ✓ Created linkages between various data within business intelligence software to enable predictive modeling and trend analysis on a given dataset.
- ✓ Used BI tools such as Tableau, PowerBI to analyze data, find important patterns, and design visualization dashboards on the given dataset.
- ✓ In the final project, I used linear regression to predict the exam score of a student, based on the number of hours they study daily. [\[View Project\]](#)

## ➤ Hobbies

- ❖ I find Arduino and Raspberry Pi fascinating.
- ❖ I like editing videos and have good experience in working with Adobe Premier Pro & DaVinci Resolve.
- ❖ I like creating websites on WordPress, I have 5 good websites currently online.
- ❖ I like to interact and collaborate with a multicultural & diverse team of intellectuals from around the globe.
- ❖ Love fixing problems which challenges my creativity, critical thinking and Googling skills.

## ➤ Projects and Activities

### ❖ **Data Science and Machine Learning :**

- ✓ Successfully completed a 6 weeks online training on Data Science by Internshala Trainings.
- ✓ Tools & Technologies Learnt:  
**Python** **Machine Learning** **Statistics** **Predictive Modelling**
- ✓ Designed an end-to-end predictive model for a financial firm, to identify the customers who are most likely to convert, before targeting them through telephonic marketing campaigns. [\[View Project\]](#)
- ✓ Combined historical usage patterns with weather data in order to forecast the hourly bike rental demand. [\[View Project\]](#)
- ✓ In the final assessment, I scored **87%** marks.

### ❖ **Advanced Microsoft Excel :**

- ✓ Successfully completed a 4 weeks online training on Advanced Excel by Internshala Trainings.
- ✓ Tools & Technologies Learnt:  
**Excel Basics** **Formulas & Functions** **Sorting & Filtering**  
**Tables & Charts** **Pivot Tables**
- ✓ Worked on a project based on real-life scenarios of a food technology startup "food2go". [\[View Project\]](#)
- ✓ In the final assessment, I scored **84%** marks.

### ❖ **Database Management, Web Development and Team Handling :**

- ✓ Tools & Technologies Learnt:  
**Beautiful Soup** **Pandas** **Python** **HTML** **PHP** **SQL** **MySQL**  
**Apache / Nginx** **WHM / cPanel** **WordPress** **Microsoft Excel**
- ✓ Created a website named "College Finder" [\[View Project\]](#)
- ✓ College Finder is an online college search engine, which has details of over 14000 colleges in India.
- ✓ The details include fees, photos, courses offered, date of estd., affiliated university, entrance exams accepted, list of courses, address on Google Map, distance from nearby colleges, list of colleges offering similar courses, email address, college contact number, college website and more relevant information.
- ✓ All the details were first captured to a CSV file through various online sources by carrying out completely legal **Web Scraping** using **Beautiful Soup** in Python.
- ✓ **Managed a team of 20 freelancers** to manually add, edit and modify the scraped data to make sure it matches the most recent information and is reliable.
- ✓ Handled the data cleaning, deduplication and optimization using **Pandas** and **Microsoft Excel**.
- ✓ Imported the final data to **MySQL** database and connected it to the front end of website created on **WordPress**, by steps including **SQL** and **PHP Coding**.

### ❖ **Ethical Hacking, Vulnerability Assessment and Penetration Testing :**

- ✓ Successfully completed an 8 weeks online certified training on Ethical Hacking by Internshala Trainings.
- ✓ Tools & Technologies Learnt:  
**Security Auditing** **Computer Networking** **Basic Web Development** **Information Gathering** **VAPT**  
**OWASP** **SQL Injection** **SQL Map** **IDOR** **Rate Limiting Flaws** **File Upload Vulnerabilities** **Nmap**  
**Cross Site Scripting (XSS)** **Cross Site Request Forgery (CSRF)** **PII Leakage** **Security Misconfigurations**  
**WordPress & Drupal Security** **Burp Suite** **Nikto** **VAPT Report for Developers** **VAPT Report for Higher Mgmt.**
- ✓ Scored **100%** marks in the final assessment and was a top performer in the training.
- ✓ In the final project, tested the weaknesses of an eCommerce website and generated an industry-standard vulnerability assessment & penetration testing (VAPT) report of 126 pages. [\[View Project\]](#)

## COMPUTER LANGUAGE

**Python**  
★★★★★  
**C++**  
★★★★★  
**Java**  
★★★★★  
**HTML**  
★★★★★  
**PHP**  
★★★★★

## SCRIPTING LANGUAGE

**Bash Shell Scripting**  
★★★★★  
**Windows PowerShell**  
★★★★★

## HUMAN LANGUAGE

**English**  
★★★★★  
**Hindi**  
★★★★★  
**Maithili**  
★★★★★

## ➤ Achievements

- ❖ Was one of the top performers from India in the "Ethical Hacking Training" by Internshala Trainings (May 2020 - July 2020 batch).



Top performer (Ethical Hacking Training)  
Verified and added by [Internshala Trainings](#)

- ❖ Earned Certification and scored 195 out of 200 in the "Training on Cyber Crime Awareness" exam, under Mission Shakti, UP Government-2020.
- ❖ KPMG Virtual Experience Internship [Jun 2020 - Aug 2021]  
During the virtual experience internship, I have completed practical task modules in:



- Assessment of data quality and completeness in preparation for analysis.
- Targeting high-value customers based on customer demographics and attributes.
- Data Insights & Presentation using data visualization techniques.

### ❖ Badges Earned



- ❖ A badge from CISCO Networking Academy, for successfully completing "Introduction to Cybersecurity" course.



- ❖ A badge from IBM Cognitive Class, for successfully completing "Python for Data Science" course.



- ❖ A badge from CISCO Networking Academy, for successfully completing "CyberSecurity Essentials" course.



- ❖ A badge from CertiProf for successfully passing the certification exam for "Cyber Security Foundation".

## ➤ Personal Information

**Father** - Mr. Manoj Kumar Jha, Self Employed  
**Mother** - Kanchan Kumari, Housemaker  
**D.O.B.** - 22nd November 2000  
**Nationality** - Indian  
**Permanent Address** - Jamshedpur  
**Hometown** - Saharsa, Bihar  
**Marital Status** - Never Married

## ➤ Relevant Links

LinkedIn : [linkedin.com/in/shaswatmanojjha](https://www.linkedin.com/in/shaswatmanojjha)  
GitHub : [github.com/MrShash](https://github.com/MrShash)  
Online C.V. : [shaswatmanojjha.com](https://shaswatmanojjha.com)  
Google Me : [Click here to Google Me](#)

*"I hereby conclude that the above furnished information is completely true to the best of my knowledge."*

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Signature  
Shaswat Manoj Jha