

Tamanna Tiwari

Web Developer – Security Researcher

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<https://t-18.github.io/Portfolio/Home.html>

Education

Bachelor of Technology Information Technology Engineering, KJIET	8.87/10.0 <i>Pursuing</i>
Diploma Information Technology Engineering, LJIET	9.0/10.0 2016-2019
Matriculation Hebron English Medium School.	85 Percent. 2015

Experience

Peanut Square LLP : Data Scientist

Roles and Responsibilities

Ongoing

- Development of a client-server based functions for testing and implementing the Cost.
- Capable of generating flow for specified requirements.
- Performing **Data-Analysis** and Applying techniques such as Prediction, Data modelling Etc.

Gurugram Police Cyber Security Internship : Cyber Security Intern

Training under Gurugram Cyber Cell with Senior Guest Speakers.

Summer 2021

- Email Crimes, Mobile Crimes, Financial Frauds, Threat Intelligence, Dark Web, Cyber Security Compliance.
- Website Hacking, Cloud Security IoT, Online Human Trafficking, Red-Teaming, White Side of Dark Web through Forensic Intelligence, GDPR, Cyber Crime Investigation and Case Studies, Bug Bounty, Cyber Space
- **Capture the Flag** - Gurugram Cyber Heist @ Hacking Brawl
- Ransomware, Crypto Currency Investigations, Cyber Forensics, Network Forensics, Cyber Laws IT Rules, Etc.

Zeronsec : Cyber Security Intern

Learnt following skills during the internship listed as :

Winter 2020

- Python - How Industry work's with Python.
- Linux - Dealing with System Security
- All about Ports, Protocols and Networks - How and Why they work!
- Databases - Elasticsearch
- Project - Creating a IP Input which would result in any IP Address entered by the user and all of the IP Addresses in it's Subnet with the help of Python and Redis which is in-memory data structure store, used as a database, cache, and message broker.

Technical Skills

- Operating System's - Windows, Linux
- Languages - HTML5, CSS3, C++, Python3
- Frameworks - WordPress
- Databases - SQL : MySQL, NoSQL : Elasticsearch
- Developer Tools - GitHub, Google Cloud Platform, Visual Studio, Atom

Projects

Colour Detection using Pandas and OpenCV

Python

Winter 2020

- In this color detection project, i built an application through which automatically user can get the name of the color by clicking on them. So for this, the data file that contains the color name and its values is used. And then the calculation of the distance from each color and the shortest one is to be found.

Determining the IP Subnet

Redis, Ongoing

Autumn 2021

o Creating a IP Input which would result in any IP Address entered by the user and all of the IP Addresses in it's Subnet with the help of Python and Redis which is in-memory data structure store, used as a database, cache, and message broker..

Technical Programme's

- **Capture The Flag** : Gurugram Cyber Heist @ Hacking Brawl.
- **Google Cloud Facilitator Programme - 2020** :The program provided by google to kickstart career in cloud and get hands on practice on GCP (Google Cloud Platform) and included Hands-On Labs and Trainings in form of Badge's and Quests and Goodies by Google Cloud for the same. Performed 300+ Labs with Major in Google Cloud Platform and other Topics and 20+ Badge's From Google and IBM.

Coursework

Google IT Support

An course by Googlers, focusing on entry-level role in IT support including :

July 2020

- o Technical Support Fundamentals
- o The Bits and Bytes of Computer Networking
- o Operating Systems and Becoming a Power User
- o System Administration and IT Infrastructure Services
- o IT Security: Defense against the digital dark arts

Google IT Automation with Python

An course developed by Google including in-demand skills-Python, Git, and IT automation under modules : August 2020

- o Crash Course on Python
- o Using Python to Interact with the Operating System
- o Introduction to Git and GitHub
- o Troubleshooting and Debugging Techniques
- o Configuration Management and the Cloud
- o Capstone - Automating Real-World Tasks with Python

IT Fundamentals for Cybersecurity

A Specialization by IBM providing knowledge of basic concepts, cyber attacks; and more under the modules : August 2020

- o Introduction to Cybersecurity Tools - Cyber Attacks
- o Cybersecurity Roles, Processes - Operating System Security
- o Cybersecurity Compliance Framework System
- o Administration Network Security Database Vulnerabilities

Google Cloud Networking

Explored and practiced the skills on Google Cloud Platform under :

December 2020

- o Google Cloud Platform Fundamentals : Core Infrastructure
- o Networking in Google Cloud : Defining and Implementing Networks
- o Networking in Google Cloud : Hybrid Connectivity and Network Management
- o Hands-On Labs in Google Cloud for Networking Engineers

Data Analytics with Python

Statistical application applied for using Python to perform exploratory data analysis under topics :

March 2021

- o Introduction, Basic Concepts and Datatypes
- o Regression and Correlation
- o Descriptive Analysis

IBM Cyber Security Specialization

A Perfect Mix of Theory and Practical to step-in into industry as an security analyst under the Sub-Certificates :July 2021

- o Cyber Threat Intelligence
- o Cybersecurity Capstone : Breach Response Case Studies
- o IBM Cybersecurity Analyst Assessment

IBM Security Analyst Fundamentals

Entry-level to advanced, that include many different job roles under the modules :

July 2021

- Introduction to Cybersecurity Tools - Cyber Attacks
- Cybersecurity Roles, Processes - Operating System Security
- Cybersecurity Compliance Framework System
- Administration Network Security Database Vulnerabilities
- Cyber Threat Intelligence
- Cybersecurity Capstone : Breach Response Case Studies
- IBM Cybersecurity Analyst Assessment