Vishal Gupta

[guptabobby74@gmail.com](mailto:guptav1@cnc.bc.ca) *|* 2505525630 | linkedin.com/in/gvishal07 | https://vishalgupt.up.railway.app/

Skills

**Languages:** Python, JavaScript, SQL

**Technologies & Tools:** Apache airflow , flask framework, Pyspark, Pytest, GCP, REST, ETL, DAGs (Directed Acyclic Graphs), Shodan, Digital footprint, IT Inventory , Reconaissance, Cyber threat Intelligence, Cyber risk assessment, Apache Druid, MongoDB, Brand and Dark Web monitoring, OSINT, neural net, reinforcement learning, policy-gradient, linux

# Work Experience

## Techroute , Vancouver, Canada | Networking, Workstation Installation

***IT Technician***(freelance gig On-Call)

* Installed the new workstation chromebox at 7-11 station for various location in BC
* Removed the old workstation and configure the network on premise to work with chrome box

## OSL , Prince George, Canada | Troubleshoot Printers , Electronic Sales , Data Transfer

***Electronics Sales Assosciate***(Part-Time) Dec 2022 – Present

* Worked as Electronics and Photo sales associate, troubleshoot commercial printers , help customers for data transfer from their devices both from cloud and local storage

## CHIRPN IT Solutions, Pune, INDIA | SQL, ETL, GCP, AIRFLOW, PYTHON, BOX API, Pyspark, Pytest, SENDGRID

***Technology Assosciate - Python Developer*** Dec 2021 – Aug 2022

* Coded python DAGs(Directed acyclic graphs) on apache airflow using GCP instance.
* Created ETL Pipeline for client data using Box api for extraction, transform data using pyspark and pushed data into druid
* Unit testing of modules using Pytest framework.
* Created python cron job to trigger another task instance
* Integrated Sendgrid api for automated email of dashboard report on successful DAG run
* Maintain github for code versioning

## ERNST & YOUNG LLP, INDIA | DIGITAL FOOTPRINT, DARK WEB MONITORING, Web Scraping, flask, selenium

***Analyst (Risk Advisory)*** Dec 2018 - Oct 2020

* Build Cyber threat Intelligence platform for digital footprint and perform a cyber risk assessment on clientIT infrastructure.
* Coded python script to enumerate on client infrastructure network to fetch Inventory details using shodan library
* Used twitter and YouTube api to scrap client data for sentiment analysis
* Bypass captcha using selenium library and time sleep python library for web scrapping
* Build website dashboard to represent client IT vulnerabilities using Javascript, flask and python
* Integrated api of threat feeds such as Virustotal
* Dark web monitoring using dark owl platform and tor

***Intern (Risk Advisory)*** May 2018 - Nov 2018

* Was part of CTI (Cyber Threat Intelligence) team in Risk Advisory
* Intregrated dehashed platform api to retrieve leaked hashed and plain text passwords of clients
* Benchmarked our In-house developed CTI tool with others such as Security scorecard etc.
* Buid deck presentation of findings for clients
* generated phishing domain (typo-squatting and cyber-squatting) of client domain and sub-domains using python script
* Performed OSINT to gather information about client domain such as mail-servers, name –servers, sub-domains mapped IPs

# Education

**CNC Prince George, BC** Sep 2022 - Apr 2024

Post Diploma in IT ***CGPA:4/4***

Relevant Coursework: CCNA, IT Security, Linux, Computer hardware and Software, Microsoft Server, Datacenter, Scaling Networks

**BML Gurugram, INDIA** Sep 2014 - Apr 2018

B.Tech Computer Science ***CGPA:6.8/10***

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

# Research Paper

* **PONG AI BOT** June 2018

Developed a Ping pong AI game bot using Neural network, Reinforcement learning and Policy gradient algorithm. For every

successful hit by agent there was a positive reward and neural network was trained according to agent performance. The

project is also published in prestigous springer journal

<https://link.springer.com/chapter/10.1007/978-981-10-8657-1_40>

# Awards and Certificates

* EY Cyber Bronze Bagde
* CCNA Networking Academy

# References

* Mittal Mehta - Directory Cybersecurity (EY, MUMBAI, INDIA). Mittal.Mehta@in.ey.com
* Mike Buchannan- Director IT (CNC COLLEGE, PRINCE GEORGE , BC) buchananm@cnc.bc.ca