Vishal Gupta

**RESEARCH PUBLICATIONS**

## Date of Birth: 01-03-1996

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**EDUCATION BACKGROUND**

### Year Degree / Exam Institute GPA / Marks (%)

2022 Post Diploma (IT) College of New Caledonia ,BC, Canada -

2018 B. Tech (COMPUTER SCIENCE) BML MUNJAL UNIVERSITY,India 6.78 CGPA

2014 CBSE St. Michael’s Convent School 75.8 %

2012 CBSE St. Michael’s Convent School 8.8 cgpa

**WORK EXPERIENCE**

**Python Developer, CHIRPN IT SOLUTION PVT. LTD (DEC-2021- PRESENT)**

* Coded python scripts to fetch data using API and build ETL data pipeline on GCP using Apache airflow by writing DAGs. Used Pyspark libraries to transform and cleansing of data. Box api to fetch data from sources. Also, Created data warehouse in apache druid and connected it with Apache Superset for data visualization by creating dashboards.

**Analyst, EY (Ernst & Young LLP)** **(MAY`18 – OCT`20)**

* Developed CTI(Cyber threat intelligence) Web application using Python, Flask, Jinja, CSS and bootstrap
* Automating File handling, logging and debugging code using python
* Developed web scraping crawler for parsing data using bs4 and selenium for various websites
* Used python pandas, numpy for data analysis collected from various sources
* Used mongodb to integrate multiple data sources and databases into one system
* Used RESTful APIs architecture for software
* Using Python Pytest/ unitest framework for test driven development
* Integration of open source threatfeeds in the tool such as Virustotal etc
* Also involved in RFP, documentation, maintaining trackers for successful execution of project
* Used github for development

**NGCT`17 (NEXT GENERATION COMPUTING TECHNOLOGIES), SPRINGER (30-31 OCT`17)**

* Published a Research Paper on **Pong Game Optimization** using policy gradient algorithm in prestigious **SPRINGER**

Journal **CCIS Volume 827 and 828** in **NGCT** Conference held at UPES, Dehradun.

* Optimized Pong AI bot to **5-6** hours on cloud using **Floydhub**, deep reinforcement learning algorithm and OpenAI Gym environment.
* Implemented **SVM(support vector machine)** to classify data points used python pandas.
* Used **Python, Markov Decision Process, Policy Gradient and deep reinforcement learning algorithm**.

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

**INTERNSHIP**

**WYDR, TECHWIDER TECHNOLOGIES PRIVATE LIMITED , GURGAON (**May`2016 -July`2016)

## Worked as Android developer and implemented modules till api version of marshmallow.

* As a part of my project, I had implemented Google Analytics on app pages and integrated social media Sdk on invitation page using android studio and Gennymotion emulator for simulation.

**TECHNICAL SKILLS**

* **Advanced:**, Python 3, github
* **Intermediate:**  MYSQL, Javascript, HTML, CSS3, mongodb, Linux, Jinja
* **Framework:** Bootstrap, MaterializeCSS, Flask
* **IDE:** SublimeText 3

**PROJECTS**

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**Tech Blog**

Created a website using flask and python3 for a blog on tech news

Used flask Sql Alchemy and MYSQL for database

Used bootstrap, Jinja template, HTML , CSS3 ,Bootstrap

Implemented Pagination where users can create, edit and delete post using POST and GET methods

**Domain Info**  
Worked on python scripts using socket library to get detailed information of any domain

Such as registration date, mail servers, name servers, ssl expiry, registered person, email id etc.

**ACHIEVEMENTS**

* Published a Technical Research Paper as an author on “Pong Game optimization using policy gradient algorithm” in

**SPRINGER** journal CCIS Series Volume 747 in NGCT Conference held at UPES, Dehradun.

* Developed IOT Prototype (**Top 60 Projects** from **INDIA**) for Smart Elevator solution for **IBM-KONE** Company selected for 2 round which was conducted on Hackerearth platform.
* Secured 3 rank on BMU Royal Theatre.
* Secured 3 rank on Interquad Basketball Tournament.
* EY BRONZE badge in Cyber Security
* Udemy Certificate for completion of Python REST APIs with Flask, Docker, MongoDB, and AWS DevOps