

# GYANESH VERMA

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## Education

**Bangalore Institute Of Technology, VTU, Belagavi**

**July 2020 – November 2022**

*M.Tech / Computer Network Engineering / CGPA: 8.10/10*

*Bengaluru, Karnataka*

**R.B.S Engineering Technical Campus, AKTU, Lucknow**

**March 2016 – July 2020**

*B.Tech / Computer Science Engineering / CGPA : 7.26/10*

*Agra, Uttar Pradesh*

## Experience

**Pie Infocomm Pvt. Ltd.**

**September 2021 – October 2021**

*Software Developer Intern*

*Lucknow, Uttar Pradesh*

- Worked on fabricating **Web Applications** and modules using **Java** and **Python** languages.
- Responsible for building **Projects Delivery Management System**, increases in projects delivery efficiency of **2x**.
- Also learned to work on **Data Visualization** using **Power BI**.
- **Won EAGER BEAVER** of team award.

## Projects

**Network Security Enhancement Using Blockchain Technology | Ethereum Platform, Python, Django**

**June 2022**

- Built a mechanism to enhance and optimize the security of **Wireless Sensor Networks** by implementing **Blockchain technology** using **Python, Django**, and **Ethereum** platform.
- Reduced attacks by **90** percent, and implemented **3** levels of data security by implementing **SHA-512, RSA** algorithms and a **login module**.

**Network Attack Analysis Using Machine Learning | Python, Machine Learning**

**March 2022**

- Developed a system for **threat intelligence** using various Machine Learning algorithms (**KNN, CNN, Decision Tree**) for predicting the attack on the system and **attack visualization** which result in time-saving in attack detection.
- Increased visualization ratio by **3x** using various algorithms.

**Chat App | Python, Django, Web Socket, Django-Channels**

**September 2021**

- Fabricated a chat app using **Html, CSS, Python**, and **Django Web framework**
- **Django-Channels** and **WebSocket** are used for communication and long-term connections.

**E-Marketplace System | Python, Django**

**April 2021**

- Built a market management system that uses **Html, CSS, Javascript, Python 3** with **Django Web Framework**.
- Implemented important features that will allow users to manage stock records.

## Relevant Coursework

- Data Structures
- Computer Networking
- Artificial Intelligence
- Operating Systems
- Blockchain Technology
- Internet Of Things
- C/C++ Programming
- Cloud Computing

## Technical Skills

**Over 5000 Lines:** Python, Java, C/C++

**Over 1000 Lines:** Html, CSS, Javascript

**Miscellaneous:** Data Structures And Algorithms, MySQL, Operating System, Networking, Django

## Links

Portfolio: [gyanesh111](#)

Leetcode: [gyanesh01](#)

Codechef: [mrgnv](#)

## Certifications

**Python Full Stack Development**

**May 2023**

*Python, HTML/CSS, Javascript, MySQL, Django*

*Pyspiders, Bengaluru*

**Java Development**

**March 2023**

*Java, HTML/CSS, MySQL*

*Udemy*

**Python Development**

**June 2019**

*Python, HTML/CSS*

*E-Gain Software Education, Agra*