

# AVINASH GUPTA

Prayagraj, Uttar Pradesh

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<https://leetcode.com/avianjjai>

## EDUCATION

### Motilal Nehru National Institute of Technology, Allahabad

2021 – 2023

*M.tech - Computer Science & Engineering - CPI - 9.25*

Prayagraj, Uttar Pradesh

**Relevant Coursework:** Advanced Algorithm, Advanced Database, Object Oriented Modelling & Design, Advanced Computer Networks, Advanced Data Modelling, Real Time System

### Bundelkhand Institute of Engineering & Technology

2017 – 2021

*B.tech - Computer Science & Engineering - Percentage - 78.58%*

Jhansi, Uttar Pradesh

**Relevant Coursework:** Datastructure & Algorithm, DBMS, Operating System, Object Oriented Programming, Computer Networks, Web Development, Machine Learning

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, HTML, CSS, SASS, JavaScript, JQuery, Typescript, NodeJS, React, Spring Boot, PHP, SQL, C#, Threading, Machine Learning(ML)

**Technologies & Tools:** VS Code, Jupyter Notebook, Git, Google Colab, Selenium, Rest Assured

## PROJECTS

### Mtech Thesis: DDoS Attack Detection. | Python, ML, Google Colab

08/2022 – 06/2023

- Researched and authored an Mtech thesis centered on detecting Distributed Denial of Service (DDoS) attacks, showcasing specialized knowledge in cybersecurity and machine learning methodologies.
- Utilized Python programming to implement sophisticated algorithms and models for effective DDoS detection, highlighting proficiency in both programming and cybersecurity domains.
- Demonstrated the ability to bridge theory with practical application, contributing valuable insights to the field of cybersecurity through innovative research and experimentation.

### Video-Conferencing | Python, Socket, Tkinter, OOPS, VSCode

03/2022 – 04/2022

- Developed a Video Conferencing application in Python, highlighting expertise in socket programming and network communication protocols for seamless real-time data transmission.
- Implemented a user-friendly graphical interface using Tkinter library, enhancing accessibility and user experience with intuitive controls and visually appealing design elements.
- Demonstrated proficiency in both backend functionality and frontend design, delivering a comprehensive solution for effective video communication.

### B-Secure | Python, Tkinter, Security

02/2021 – 05/2021

- Created B-Secure, a Python application with Tkinter-based GUI, highlighting adeptness in GUI development for user-friendly interfaces.
- Implemented robust security measures to safeguard sensitive data, showcasing a deep understanding of secure coding practices and ensuring user privacy and data integrity.
- Combined technical skills in GUI design with security expertise, delivering a comprehensive solution for secure data management and user interaction.

## EXPERIENCE

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### **Sprinklr (Software Development Engineer, QA (Automation))**

**10/07/2023 – Current**

- Automated workflows reduced manual testing effort by streamlining repetitive tasks, ensuring faster and more reliable software delivery.
- Developed a setup script to streamline automation, optimizing configuration and reducing initialization time for efficient workflow.
- The script enhanced overall reliability of automated processes, ensuring a seamless and consistent setup, significantly improving operational efficiency.
- Created cleanup scripts to maintain data integrity and system efficiency post-execution, automating the process of removing temporary files and resetting environments.
- These scripts streamline maintenance tasks, ensuring a tidy and optimized system state for subsequent operations, enhancing overall workflow efficiency.

## EXTRA-CURRICULAR

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### **Computer Science Students' Council - Cossco , BIET Jhansi**

**2018 – 2021**

- Served as a Management Team Member of COSSCO, the Computer Science Students' Council, overseeing the organization of hackathons and actively participating in various tech events.
- Contributed to fostering a vibrant tech community by organizing events and engaging in collaborative learning opportunities within the computer science domain.

## ACHIEVEMENTS

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- Achieved Gold Medalist status in Mtech Computer Science & Engineering, reflecting academic excellence and proficiency in the field.
- Qualified for Assistant Professor role through UGC NET 2022 with a remarkable score of 170, showcasing aptitude for teaching and research.
- Attained a commendable Gate 2021 score of 624, securing a rank of 1630, underscoring strong technical knowledge and problem-solving abilities.
- Demonstrated problem-solving skills through solving competitive problems on platforms like LeetCode, HackerRank, GeeksforGeeks, and InterviewBit.
- Acted as a Subject Matter Expert (CSE) for Chegg India, resolving over 1800 questions, exhibiting expertise and proficiency in computer science concepts.