

# Chinmay Tiwari

📍 College Park, MD ✉ [tiwarichinmay2000@gmail.com](mailto:tiwarichinmay2000@gmail.com) ☎ (240) 476 9602 [in chinmaytiwari](https://www.linkedin.com/in/chinmaytiwari) [github chinmay-tiwari](https://github.com/chinmay-tiwari)

## SKILLS

- Python | C | MySQL | HTML5 | CSS | PHP | Java | Postgress | Javascript
- NMap | Wireshark | Metasploit Framework | Hydra | SQLMap | Gobuster
- Penetration Testing | Frontend | English, Hindi, Marathi

## EXPERIENCE

**Java Software Developer** June 2022-July 2023  
C2L Biz Solutions Pvt. Ltd Mumbai, India

- Developed new methods using Java by which we can generate different policies depending on the product chosen by the policy proposer or the person to be life assured.
- Added a web interface for users to upload their documents using which they can also find their policy generated, and update any information left out while filling the policy initially.
- Performed hands-on testing, monitored and rectified errors that were present in policy documents generated by the application.

**Undergraduate Teaching Assitant** Jan 2021 - Jan 2022  
Vidyalankar Institute of Technology, Mumbai University Mumbai, India

- Undergraduate Teaching Assistant for the subject of Data Structures and Analysis of Algorithms.

## EDUCATION

**University of Maryland** Aug 2023 - May 2025(Expected)  
Masters of Engineering in Cybersecurity College Park, MD

**Vidyalankar Institute of Technology, Mumbai University** June 2018 - 2020  
Bachelor of Engineering in Computer Science Mumbai, India

## CERTIFICATIONS

- CompTIA Security+ Ongoing
- Deep Learning -By Coursera
- Programming For Everybody -By Coursera

## PUBLICATIONS

- [Privacy preserving and secure machine learning](#): 18th IEEE India Council International Conference (INDICON) - Authors - Akshay Prabhu, Niranjana Balasubramanian, **Chinmay Tiwari**, Amit Nerurkar
- [Improving commercial success of music on streaming platforms using data science](#): International Conference on Advances in Computing, Communication & Control (ICAC3-2021).Authors - Akshay Prabhu, Niranjana Balasubramanian, , Amit Nerurkar

## PROJECTS

- **Securing a Cloud-based Healthcare Application MedCircle - Cloud Security Project**: Worked with a team of three to conduct a thorough examination into the MedCircle Healthcare system's AWS infrastructure. Identified and analyzed vulnerabilities and flaws in the deployed cloud environment, including weak access controls, unencrypted data, vulnerable virtual machines, insufficient network security, a lack of logging and monitoring, and insufficient disaster recovery, and made strategic recommendations for each. Provided a thorough report that included a high-level summary of the infrastructure modifications that were advised and that were necessary to improve the security and integrity of the system.
- **Performed an Internal Network Penetration Test on the 'Masked DJ's' Network - Penetration Testing Project**: This project was based on performing an Internal Network Penetration Test on 3 Windows Systems and an Ubuntu Linux Web Server all in an Active Directory network to uncover the identity of the Masked DJ. A combination of Kernel Exploits, Password Cracking and Active Directory attacks with a lack of Cloud Security techniques helped us to solve this project
- **Movie Recommender System with Sentiment Analysis**: Content Based Recommender System recommends movies similar to the movie user likes and analyses the sentiments on the reviews given by the user for that movie.This application provides all the details of the requested movie such as overview, genre, release date, rating, runtime, top cast, reviews, recommended movies, etc.