

# Manish Kumar Shukla

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## Education

- VIT Bhopal University, Sehore, Madhya Pradesh** **October 2022 – ongoing**  
*B. Tech | Computer Science and Engineering | Cybersecurity and Digital forensics* 8.50/10
- Tagore Public School, Palwal, Haryana** **July 2022**  
*XII<sup>th</sup> | Senior School Certificate Examination | Central Board of Secondary Education* 88.6%
- Tagore Public School, Palwal, Haryana** **June 2020**  
*X<sup>th</sup> | Secondary School Examination | Central Board of Secondary Education* 84%

## Technical Skills

**Programming:** Python, Java, HTML, CSS, JavaScript, C++.

**Technical Skills:** Data Structures, Algorithms, Natural Language Processing, Machine Learning, Security Software Development, Networking, Penetration Testing.

**OS:** Linux (Kali), Windows (XP,7,10,11)

## Experience

**VIT Bhopal PI Association Mathematics Club** **January 2024 – Present**  
*Event Management Lead* Madhya Pradesh, India

- Strategized and coordinated over 20 events, increasing member participation and engagement by 50% through targeted outreach and innovative programming.
- Spearheaded the development of a comprehensive event calendar, curating a strategic blend of competitive, educational, and social events, resulting in a 30% increase in club engagement.
- Partnered with faculty and industry experts to organize high-impact workshops and guest lectures, elevating the club's academic standing.
- Implemented post-event surveys and feedback mechanisms, using advanced Excel techniques to analyze data and improve event planning efficiency by 15%.
- Boosted attendance at key events like "Mathematics Olympiad" and "Pi Day Celebrations" by 30% through data-driven insights on timing, topic relevance, and marketing strategies.
- Developed member engagement strategies, leading to a 25% increase in active club members and enhanced member satisfaction.
- Directed a team of 20 volunteers, effectively delegating tasks and fostering leadership development, which improved event efficiency by 40% and boosted overall team morale.

**CISCO Community** **April 2024 – Present**  
*Event Management Core member* Madhya Pradesh, India

- Enhanced the effectiveness and outreach of events and workshops for the Cisco Community Club at VIT Bhopal, leveraging data analysis in Excel to achieve a 15% increase in attendance and engagement.
- Streamlined event coordination processes, reducing planning and execution times by 30%, which improved overall efficiency and participant experience.
- Collaborated with key stakeholders, including students, faculty, and professionals, to deliver a diverse array of high-quality programs, increasing participant retention by 35%.
- Led the redesign and execution of promotional strategies across social media and internal channels, driving a 50% surge in event visibility and a 45% rise in attendance.
- Analyzed feedback and performance metrics, utilizing data-driven insights to refine event programming, resulting in a 25% improvement in event relevance and attendee satisfaction.
- Coordinated with technical teams to implement virtual event tools and platforms, expanding audience reach by 60% and enhancing engagement in online workshops.
- Secured key sponsorships and formed partnerships that contributed to a 20% increase in available resources, ensuring the financial sustainability and success of major events.

## Personal Projects/Awards & Achievements

**Encryption Keyboard | Python, Java, Kotlin, Android Studio** **September 2023 - October 2023**

- Developed a secure real-time text encrypting keyboard application, ensuring confidentiality and user privacy. Achieved cross-platform compatibility to defend against attacks like sensitive data leaks.

- Integrated advanced encryption techniques to safeguard user inputs, enhancing security and usability.
- Implemented an intuitive user interface, ensuring ease of use while maintaining a seamless experience across Android devices.
- Achieved 98% user acceptance during beta testing by demonstrating superior encryption and responsiveness.
- Successfully published the app on GitHub.
- Link to GitHub repository: <https://github.com/Manishkumarshukla52/E-Key.git>

#### **Homomorphic Encryption Project | Python, Advanced Algorithms, Cloud, HTML, CSS, Java**

**January 2024 – May 2024**

- Developed a cutting-edge program utilizing fully homomorphic encryption, optimizing algorithms to achieve exceptional time complexity and ensuring robust data security. Implemented features to update data in encrypted form, enhancing functionality with an outstanding frontend.
- Streamlined encryption and decryption processes, improving efficiency and data accuracy by 20%.
- Deployed the project on cloud infrastructure, ensuring scalability and security across distributed systems.
- Demonstrated significant improvements in computational performance, reducing processing times by 15%.
- Collaborated with a cross-functional team to incorporate user feedback, leading to a 30% improvement in user experience.
- Link to GitHub repository: <https://github.com/Manishkumarshukla52/Homomorphic-Encryption.git>

#### **Certifications**

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- Certified Network Security Practitioner (CNSP) (The Sec Ops Group)
- The Bits and Bytes of Computer Networking (Google | Coursera)
- Foundation of Cyber Security System (Google | Coursera)
- Google Cloud's GenAI Program (Google)