Tushar Jitendra Bhadane

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OBJECTIVE

B.Tech student in Cyber Security & Digital Forensics, seeking to apply technical skills in cybersecurity and data analysis to dynamic, innovative environments.

EDUCATION

Bachelor of Technology - Cyber Security & Digital Forensics   Expected 2026
VIT Bhopal University
Relevant Coursework: Cybercrime Investigations, Digital Forensics, Ethical Hacking

SKILLS

- Technical Skills: Cybersecurity, Ethical Hacking, Data Science, Data Analysis, C++, Python, Frontend dev.
- Soft Skills: Communication, Research, Team Collaboration
- Languages: English (Professional Working), Hindi, Marathi

CERTIFICATE

Certified Ethical Hacker (CEH) v12
The Bits and Bytes of Computer Networking
Goldman Sachs - Software Engineering Job Simulation
Tata Group - Cybersecurity AnalystJob Simulation
Tata Group - Data Visualisation:Empowering Business with EffectiveInsights Job Simulation

PROJECTS

Radio Frequency Vulnerability Tester

- Designed and developed a working prototype to capture and analyze radio signals within a 20 meter range, identifying vulnerabilities in communication systems
- Employed Arduino and ESP32 hardware for signal acquisition and utilized tools like GQRX and Arduino IDE for implementation.

Wireless Payload Execution Tool (W-PET)

- Developed a tool leveraging Arduino Nano and ESP32 to automate task execution and enhance cybersecurity through vulnerability assessments.
- Designed modules for payload deployment, automation, and security scanning, utilizing Arduino IDE and PyCharm for development.

- Enabled remote script execution via Wi-Fi and enhanced system management efficiency while reducing manual intervention.
- Demonstrated applicability in system administration, threat analysis, and incident response scenarios.

Smart Distance and Level Measurement System Using IoT

- Developed an IoT-based system with Arduino and HC-SR04 sensor to measure distances and liquid levels, displayed on a 16x2 LCD.
- Designed a modular and scalable system for real-time monitoring, adaptable to IoT platforms like NodeMCU and Raspberry Pi.

EXTRA-CURRICULAR ACTIVITIES

- Swimming
- Trekking
- Travel & Tourism
- Gaming (Esports)
- IoT & Robotics