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**VIJAY KUMAR CHIRUTHA  
SOFTWARE COURSES**



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**Educating The World**

**81431 86860**

## **INTRODUCTION TO CYBERSECURITY & AI**

- Fundamentals of Cybersecurity
- CIA Triad: Confidentiality, Integrity, Availability
- Types of Cyber Threats & Attacks
- Role of Artificial Intelligence in Cybersecurity
- AI vs Traditional Security Systems

## **NETWORKING & SECURITY BASICS**

- Network architecture & protocols (TCP/IP, DNS, HTTP)
- Firewalls, IDS/IPS, and VPNs
- Encryption & Cryptography basics
- Authentication and Authorization
- Security Policies & Compliance (ISO, NIST, GDPR)

## **THREAT INTELLIGENCE & ANALYSIS**

- Types of cyber threats (Malware, Phishing, DDoS, Ransomware)
- Threat modeling & incident lifecycle
- AI-driven threat detection systems
- Data collection for threat intelligence
- Tools: Splunk, Wireshark, ELK Stack

## **MACHINE LEARNING FOR CYBERSECURITY**

- Overview of ML algorithms for security
- Data preprocessing for security datasets
- Anomaly detection & Intrusion detection systems
- Malware classification using ML
- Phishing URL detection using supervised models

## **DEEP LEARNING IN CYBERSECURITY**

- Neural networks for security analytics
- CNNs for image-based threat detection
- RNNs/LSTMs for network traffic analysis
- AI-based fraud detection systems
- Autoencoders for anomaly detection

## **AI-POWERED SECURITY TOOLS & AUTOMATION**

- SIEM systems with AI (Security Information & Event Management)
- SOAR (Security Orchestration, Automation, and Response)
- AI in endpoint protection & antivirus systems
- Automated vulnerability management
- Case studies: Darktrace, CrowdStrike, IBM QRadar

# Modules **Cybersecurity with AI**

## **CYBER DEFENSE & ETHICAL HACKING**

- Penetration testing fundamentals
- Vulnerability assessment using AI tools
- Predictive analytics for threat prevention
- AI-driven red teaming & blue teaming
- Tools: Metasploit, Nmap, Nessus, Burp Suite

## **BLOCKCHAIN & CLOUD SECURITY**

- Blockchain principles for secure transactions
- Smart contract vulnerabilities
- Cloud security risks and mitigation
- AI-based cloud monitoring solutions
- Zero Trust architecture

## **INCIDENT RESPONSE & DIGITAL FORENSICS**

- AI-assisted incident detection & response
- Forensic data collection & analysis
- Log analysis using ML models
- Root cause analysis automation
- Reporting & documentation tools

## **CYBERSECURITY GOVERNANCE & FUTURE TRENDS**

- AI ethics in security systems
- Adversarial AI & data poisoning attacks
- Quantum computing & cybersecurity
- Global cybersecurity standards
- Career paths & certifications (CEH, CompTIA Security+, CISSP, AI Security)



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# OUR SERVICE

WE ARE PROVIDING MULTIPLE SOFTWARE COURSES

- DATA SCIENCE WITH AI
- DATA ANALYTICS WITH AI
- DATA ANALYST AND BUSINESS ANALYST WITH AI
- MANUAL TESTING AND SELENIUM WITH AI
- PYTHON FULL STACK WITH AI
- JAVA FULL STACK WITH AI
- DIGITAL MARKETING WITH AI
- TABLEAU + SQL WITH AI
- ORACLE, SQL, MYSQL
- EXCEL AND ADVANCED EXCEL WITH AI
- SAP [ALL MODULES]
- SALESFORCE
- GEN AI
- CYBER SECURITY WITH AI
- VIDEO EDITING COURSE
- SERVICE NOW
- MULESOFT
- AWS/AZURE DEVOPS
- MS OFFICE
- POWER APPS

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# About US

- We are Providing the Software Courses for both Online and Offline
- We have well Experienced and Real Time Trainers
- We give the best content to cover all your course syllabus and its practical knowledge
- We give 2 to 3 Assignments to our students which helps the more interactivity with course and its practical real time scenario knowledge
- We explains the 2 to 3 projects and letting the students to know to how to do real time projects once they get selected



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# THANK YOU SO MUCH

## CONTACT US

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HYDERABAD



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