

# Gyanchand Kumar

Electronic City, Bangalore, Karnataka

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## ABOUT: -

Dynamic and persistent professional with 2 years of experience in VAPT, WAPT and DevOps for CDAC with a stronghold on Web application security and secure code review. Profound knowledge of development and deployment with security best practices, Deployment and monitoring with Secure CICD pipeline in CDAC infrastructure premises and AWS.

## EXPERIENCE

03/2020 - present

### Project Engineer, Centre for Development of Advanced Computing

- **DevOps:** CICD Pipeline for different applications with defined testing scope using open-source tools like Gitlab, Jenkins, Chef, Docker Deployment on the Servers, Container orchestrations of the deployed applications, Good hands-on knowledge of Source Code Management (Version Control System) tools like Git.
  - Proficient in developing Continuous Integration/ Delivery pipelines.
  - Maintained network of 30+ Unix and Windows servers with 99.9% up-time.
  - Knowledge of cloud service providers, like AWS.
  - Maintained Git workflows for version control (Source Code Management) Developed and maintained automated CI/CD pipelines for code deployment using Jenkins while automating the deployment process, resulting in the Elimination of 70% of manual work and escalation of work efficiency.
  - Good understanding of Infrastructure as Code (Programmable Infrastructure), and how you can achieve that by using tools like Ansible and Chef
  - Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Docker Swarm and Kubernetes
  - Built and deployed Docker containers for implementing Microservice Architecture from Monolithic Architecture
  - Solid experience with Linux and Windows Servers Troubleshooting and system engineering exposure in Linux production environments.
  - Experience with server and applications monitoring using tools like Prometheus , Grafana and Nagios (and derivatives).
- **Security:**
  - Perform security research, Scrutinizing the web application for OWASP Top 10 vulnerabilities
  - Carry out proof of concept and penetration testing on the cutting-edge technology in the systems and web applications,
  - Demonstrate vulnerability to application owner and provide recommended mitigations,
  - Find and fix security and privacy flaws in the Internal web application of CDAC, Conduct code reviews of products built in Java, Node, PHP, Python, and Shell scripts,
  - Develop tools to automate security testing and enable more efficient discovery and resolution of security Problems,
  - Work as a team member on multiple engagements to perform web application security
- **IT Auditor:-** Total Number: 5 in Lead Position, 3 as Contributor Clients include, , Ministry of Telecommunication, Ministry of Power, and Private Datacenters/DR Sites.

- Procedure development as per requirement. Interviewed personnel and performed infrastructure pen-testing (On-Premises & Private Cloud) Provided technical and policy recommendations. Client handling and business follow-up,
- SCADA Systems security auditing and VAPT.
- **Research & Development:** Android Application Development for various projects, Web Applications Development using various technologies, Web Services development (API) for Different Applications (with Node and Python), Shell Scripting and python automation for automation of applications, Development of IT Auditing Tools (Python & Bash), VAPT Automate framework Product Development (Python, Node, Bash)

## EDUCATION

08/2019 - 02/220

**Post Graduate Diploma in IT, Infrastructure, Systems & Security, CDAC, Bangalore.**

**66.8 %**

08/2015 - 06/2019

**Bachelor's Degree in Computer Science & Engineering, ITM University, Raipur (C.G)**

**70.84 %**

## SKILLS & ABILITIES

- Able to gain and maintain the trust and confidence of others and the organization through consistency and reliability.
- Experience working in IT landscape including PKI, TCP/IP, VAPT, OWASP Top 10, Java (Android), Python, JavaScript (with node), Docker, Docker-swarm, Shell Scripting, PHP with different Framework, Git, Android, Docker, Offensive Security Tools, Jenkins, Nagios, Virtualization software, Arachni, Selenium, Wireshark, Burp Suite, Nessus, Nmap, TCPDump, Packet Tracer, Cryptography, Prometheus, Logging & Monitoring, Ansible, etc.

## CERTIFICATIONS

### **Cybrary Certificate of Continuing Education**

Information security management, ISO 27001, CompTIA Security+, CISSP, Secure Coding, Physical Penetration Testing, etc.

### **Udemy**

Ethical Hacking, AWS, Secure Coding, Secure CICD Pipeline, Shell Scripting, Web application Security, Kubernetes, etc.