

# Narendra Ganapati Gadde

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## Skills

**Technologies:** OWASP top 10, Web-Application Penetration Testing, Active Directory Penetration Testing, SAST/DAST, Cloud Security, Threat modeling (STRIDE, MITTRE ATT&CK), SIEM, Vulnerability Management, Firewall Management

**Cloud:** AWS, Microsoft Azure, Azure Firewall, Security Center, Microsoft Sentinel, VNet, NSG, Application Gateway WAF, Entra ID (RBAC, Conditional Access, MFA), Hybrid Identity (ADFS, Pass-Through Authentication), Azure Compliance

**Tools:** Qualys, Burp Suite, SQL Map, Dirbuster, TestSSL, Maltego, Linux (Kali), Sophos, Microsoft Defender for Cloud, Nessus, Wireshark, Nmap, Postman, MS Office, JIRA, ITSM, BMC Remedy, Splunk

**IP Technologies:** Routing & Switching, VLAN, DHCP, DWDM

**Languages:** Python, C, Bash scripting, PowerShell, YARA Rule, SQL, KQL

## Highlights

### Ethical Hacking and Pen Testing:

1. Performed network scanning using Nmap and analyzing the Network Packets using Wireshark, successfully compromised Windows and Linux machines using Metasploit, performed privilege Escalation on these machines to gain elevated access and performed Lateral movement and pivoting to further penetrate into target networks.
2. Performed API Security Testing for authentication flaws, JWT bypass, rate limiting, SSRF, and broken access control using Postman + Burp Suite and created detailed pentest reports with PoC, impact, and remediation.
3. Performed SAST using Semgrep & SonarQube on Java, Python, Node.js applications to identify OWASP Top 10 issues such as hardcoded credentials, insecure deserialization, SQLi, and unsafe API handling.

### Cloud Security:

4. Designed and implemented a secure Azure cloud environment with multiple VNets, subnets, NSGs, and Azure Firewall using DNAT and application rules. Configured VNet peering, custom routes, and deployed VMs (Web Server & Jump Host) ensuring controlled access and compliance with security best practices.
5. Designed and deployed Azure AD Connect with Pass-Through Authentication and Cloud Sync to provide seamless authentication without ADFS. Implemented certificate-based trust verified hostname, and configured authentication agents for redundancy. Enhanced identity security by enforcing Conditional Access and password hash sync fallback for business continuity.
6. Implemented a hybrid identity solution by configuring Active Directory Federation Services with Directory Synchronization using Azure AD Connect. Enabled Single Sign-On for Office 365 and other SaaS applications, ensuring secure federation between on-premises AD and Azure AD. Configured SSL certificates, claim rules, and load balancing for high availability and compliance.

**Linux and OS security:** Managing file permissions, configuring ACL's and password policies, GPG Based encryption and Decryption, NFS mounting on windows and Linux.

## Work Experience

### Ericsson India Pvt. Ltd, Bangalore

Jul 2024 – Jul 2025

#### Automated Operation Engineer

- Developed responsive RPA bots using UiPath and Python to streamline ITIL process flows and improve operational efficiency.
- Ensured 100% accuracy of Ericsson Automation tools through rigorous testing and validation processes.
- Ensure adherence to Service Level Agreements and track KPIs such as OSLA, ticket creation failure rate, MTTR, and auto resolution to optimize performance.
- Resolved escalated issues related to automation tools, providing support and troubleshooting.
- Conducted user acceptance testing for new automation rules, ensuring smooth implementation and functionality.
- Supported cloud-integrated ITSM and CI/CD environments

**NOC Engineer / DWDM Associate**

- Involved in TACACS+, AAA configuration, and Palo Alto firewall management for access control and traffic monitoring.
- Configuration of NOKIA 7761, NOKIA 7250, HUAWEIS6700, S5700, S6720, CISCO ME3600, and FOS (3124, 3124-BAT-11, 3148).
- Ensure all network elements are deployed as per the deployment template and standard configuration template.
- Knowledge of implementation and troubleshooting complex layer 2 technologies such as VLAN Trunks and Ether-Channel.
- Configuration and implementation VLANs in Switch up to the distribution layer Configuration of Ether-Channel using LACP protocol in distribution and Layer2 – switches.
- Installing, Configuring, Maintaining the DWDM devices Ciena 6500, Ribbon Apollo 9624 and 9608.
- Design of optical networks including knowledge of DWDM, ROADM, EDFA, Troubleshooting DWDM Infrastructure & Experience with Fiber channel and OTDR analysis.
- Resolve escalated issues (Optical-Power issues, latency, Signal flow errors, fiber issues) related to DWDM.

**Education**

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**REVA University (RACE), Bengaluru**

Oct 2024 - Aug 2026

MS in Cyber Security

- Relevant Coursework: Cloud and Security (Azure), CEHv13, CI|PENT, Computer Networking, Threat Modelling,

**SDMIT, Ujire**

Aug 2019 - May 2023

B.E. in Electronics and Communication

**CGPA: 8.1/10**

- Relevant Coursework: Python, C, Discrete Math's, Operating Systems, Computer Networks, Digital Image Processing, Embedded systems

**Certificates and Trainings**

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- EC-Council Certified Ethical Hacker v13
- Microsoft AZ-900
- Microsoft SC-200
- EC-Council Certified Penetration testing (Trained)
- Cisco Certified Network Associate R&S (Trained)
- Cisco Certified Network Associate DevNet (Trained)