

# Siddh Yadav

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## Professional Summary

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Cyber Security Enthusiast with hands-on experience in Zscaler (ZIA & ZPA) within an enterprise environment. Skilled in troubleshooting internet access issues, SSL inspection policies, PAC file configurations, authentication integration (SAML/MFA), and Zero Trust Architecture concepts. Strong foundation in networking fundamentals (TCP/IP, DNS, HTTP/HTTPS), secure system design, and log analysis. Seeking a Zscaler Engineer / L1 Security Support role to contribute to enterprise security operations and SASE transformation initiatives.

## Technical Skills

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**Zscaler & Security:** Zscaler Internet Access (ZIA), Zscaler Private Access (ZPA), SSL Inspection, Web Filtering  
**Zero Trust & SASE:** Zero Trust Architecture, SASE Framework, Firewall Policy Configuration, DLP Concepts  
**Networking:** TCP/IP, DNS, HTTP/HTTPS, VPN, Traffic Forwarding, PAC File Configuration & Troubleshooting  
**Authentication:** SAML, MFA, Active Directory (Basic), Role-Based Access Control (RBAC)  
**Tools & Platforms:** Zscaler Admin Portal, Client Connector, Log Analysis, Postman, Git, Docker  
**Programming:** Linux, Python, JavaScript

## Experience

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### Security Engineer – Zscaler (Qvolv Technologies) 2025-2026

- Supported ZIA & ZPA environments for over 500+ users, ensuring secure internet and private application access across the enterprise.
- Troubleshoot user connectivity issues related to PAC file misconfigurations, Client Connector errors, and traffic forwarding failures.
- Assisted in authentication integrations using SAML and MFA with identity providers, ensuring seamless user onboarding.
- Analyzed Zscaler logs and nanolog streaming to identify blocked traffic, policy violations, and resolve access issues within SLA timelines.
- Coordinated with network, infrastructure, and security teams for incident resolution and change management processes.
- Supported Client Connector deployment, GRE/IPSec tunnel configurations, and traffic forwarding rule optimizations.
- Contributed to Zero Trust Architecture initiatives by defining micro-segmentation policies and application access controls in ZPA.
- Integrated enterprise systems with secure API endpoints, applying input validation and error handling best practices.

## Projects

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- Enterprise Network Security Lab** | *Zscaler ZIA, ZPA, Wireshark, PAC Files*
  - Built a lab environment simulating enterprise Zscaler deployment with ZIA for internet security and ZPA for private access.
  - Configured SSL inspection policies, URL filtering categories, and firewall rules to enforce security baselines.
  - Tested PAC file configurations for proxy chaining and traffic steering across multiple network scenarios.
  - Analyzed network traffic using Wireshark and Zscaler logs to troubleshoot connectivity and policy enforcement issues.
- Secure Authentication System** | *Node.js, JWT, bcrypt, REST APIs* ([GitHub](#))
  - Engineered a production-grade authentication system with JWT token management, bcrypt hashing, and session handling.
  - Implemented RBAC middleware enforcing granular access control across API endpoints.
  - Applied OWASP security best practices including input sanitization, rate limiting, and secure HTTP headers.
- Roviraa – E-Commerce Platform** | *Next.js, TypeScript, Prisma, MySQL* ([Live](#))
  - Architected and launched a production-ready e-commerce platform with secure authentication and role-based access.
  - Secured the platform with JWT authentication, bcrypt password hashing, and role-based API protection.
  - Optimized for performance achieving 90+ Lighthouse score with SEO best practices and Vercel edge deployment.

## Networking & Security Fundamentals

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- TCP/IP stack, OSI model, DNS resolution, HTTP/HTTPS protocols, and TLS/SSL handshake mechanisms
- Zero Trust Architecture principles: never trust, always verify; least-privilege access; micro-segmentation
- SASE (Secure Access Service Edge) framework concepts and cloud-delivered security architecture
- Proxy architectures, PAC file logic, GRE/IPSec tunneling, and traffic forwarding methodologies
- Identity & Access Management: SAML SSO flows, MFA mechanisms, Active Directory integration
- Log analysis, incident triage, and security event correlation for threat identification

## Education

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- **Chandigarh University, Mohali, India**  
*Bachelor of Engineering in Computer Science*

2021 – 2025

CGPA: 7.26 / 10.00

## Achievements

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- Published research paper: "**Helmet and Number Plate Detection Using YOLOv5**" (Traffic Safety).
- NCC Cadet – Naval Wing (Leadership & discipline).
- Gold Medalist – Regional Kabaddi Tournament.