

# Abdul Wahid Khan

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Results-driven DevSecOps engineer with expertise in automation, CI/CD, and cloud security. Currently pursuing M.Sc. Cyber Security at NFSU (2027), focusing on secure deployments, vulnerability management, and DevSecOps practices. Experience leading tech initiatives and developing secure Python-based solutions. Passionate about optimizing deployment workflows, securing cloud infrastructure, and implementing scalable monitoring solutions.

## WORK EXPERIENCE

**Lixta Networks** (Jan 2025 – Present)

**System Administrator / DevOps Engineer** (Bhiwandi, Mumbai)

- Managed and monitored Linux servers, automated tasks with Cronjobs, Python and Ansible.
- Deployed **Kubernetes instances** for Docker containers; **maintained CI/CD pipelines** using GitHub Actions.
- Implemented system monitoring with **Prometheus**, **handled L1-L2 incidents** and support.
- Used **Ansible** for server provisioning; supported AWS infrastructure (EKS, EC2, S3, IAM).

## EDUCATION

**M.Sc. Cyber Security**

**National Forensic Sciences University | 2027**

- Coursework focused on **Application & Cloud Security**, **Network Defense**, Digital Forensics, and Risk Management
- Developing expertise in integrating security into **vulnerability management and compliance automation**.
- Researching secure deployment models and DevSecOps practices for containerized and cloud-native environments.

**B.Sc. I. T**

**University of Mumbai | 2025 | 9.3 CGPA**

- Top-ranking student in the department with a highest **SGPA of 9.8**, **securing 1st position** in the batch
- Served as **Student Representative**, actively contributing to academic and student affairs
- Led as Technical Head of **Technotia**, inter-collegiate Tech-Fest (Feb 2025), managing end-to-end planning and execution
- Engineered a **secure Python-based LAN** software suite for **event coordination and participant tracking**

## KEY PROJECTS

**RAKSHAK** | Quantum ML, Python, Qt/C++ | [link](#)

- Built **quantum malware detection** using feature embeddings to identify zero-day and polymorphic attacks.
- Developed **offline sandbox & forensic tools** for safe threat analysis with **metadata logging**.
- Created cross-platform **Qt/C++ dashboard** for real-time alerts, thresholds, and **analyst monitoring**.
- Implemented **adaptive quantum-classical ML** pipeline **achieving ≥80% detection accuracy** on constrained datasets.

**CloudMesh** | Terraform, Kubernetes, GitHub Actions, Prometheus, AWS/GCP

- Deployed a cloud microservices platform with **end-to-end automation** using Terraform and AWS (EKS).
- CI/CD pipelines with GitHub Actions** for container builds and automated testing.
- Centralized logging** and monitoring (Prometheus, Grafana), enabling real-time insights.

**AutoInstaller** | Python, WebSocket, Git, PowerShell, Automation | [link](#)

- Built an automated installer framework to **streamline software deployment** across multiple systems.
- Utilized **WebSocket** for real-time communication between client and server, ensuring seamless installations.
- Achieving **96.5% success rate** with 88% automated issue resolution
- Reduced troubleshooting time by **20 hours/month** and decreased **post-deployment errors by 55%**.

## TECHNICAL SKILLS

**Cloud & Infrastructure:** AWS, GCP, Azure, Terraform, Ansible, Docker, Kubernetes, Helm, VMware, Hyper-V

**DevOps & Development:** GitHub Actions, GitLab CI/CD, Jenkins, Git, Bash Scripting, PowerShell, Python, FastAPI, Firebase, WebSockets, MySQL, PostgreSQL

**Monitoring & Systems:** Prometheus, Grafana, Nagios, Zabbix, Apache, Nginx, Linux Kernel Development, Android & Web Applications (ReactJS, Next.js)

**Security & DevSecOps:** Cloud Security, IAM, Secure Networking, Secure Coding Practices, Vulnerability Management, Threat Detection, SIEM Tools, Security Hardening, DevSecOps Pipelines, Risk Assessment

**Soft Skills:** Problem-solving, Collaboration, Mentoring, Adaptability, Effective Communication, Time Management

## ACHIEVEMENTS

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- Ranked in **Top 65 out of 6600 participants** in *Indian Army Terrier Cyber Quest 2025*.
- **Secured 1<sup>st</sup> Prize** in **NFSU Internal College Hackathon** (Women's Safety Predictive Analytics Tool)
- **Secured 1<sup>st</sup> Prize** in **NFSU Inter-department Technical Activities**, recognized for innovative awareness solutions.
- Team Ranked **Top 10** in NFSU Inter-Campus CTF Competition, September 2025.
- Secured **4<sup>th</sup> Place** in **RedTeam Chennai** CTF Competition, September 2025.
- **Winner** in **Cyber Challenge, Delhi Police Hackathon 2024** | CyberPeace & Delhi Police.
- **Secured 2<sup>nd</sup> place** in **Web Devicon intercollegiate competition** organized by K.S. Model College.
- **Secured 1<sup>st</sup> place** in **Bug Hunt and Code Debug** organized by **RKT College** - TechTrove intercollegiate event.

## OPEN-SOURCE CONTRIBUTIONS

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**GSSoC-EXT 2024** | **Ranked 6<sup>th</sup>** in Top 50 Mentors

- Mentored and reviewed **25+ merged PRs** and project improvements.

**Kernel Development** | [Contributions in Kernel](#)

- Built and optimized kernels for **MT6785 platform**, improving performance and stability.
- Implemented kernel-level optimizations to **reduce latency** and **improve battery efficiency** on target devices.

## VOLUNTEERING

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- **Mentor** | **IIT Kharagpur** Winter of Code | November 2024 – February 2025
- **Mentor** | **GirlScript** Summer of Code – Extd | September 2024 – January 2024\