Abdul Wahid Khan

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EXPERIENCE

L2 System Admin| Kaiwalya Infotech | June 2023 – December 2024
- Deployed IT infrastructure for 10+ organizations and colleges, ensuring 99.9% uptime.
- Resolved 92% of L2 escalations on servers, networking, and security within SLA timeframes, improving SLA compliance from 85% to 98%.
- Automated system administration tasks using Python and Bash, reducing manual workload by ~65%.
- Optimized CI/CD pipelines, reducing software deployment time from 40 minutes to 20 minutes, increasing deployment frequency by 60%, and minimizing rollback failures by 30%.
- Implemented proactive monitoring and automation, reducing escalation rates by 32%, improving mean time to resolution from 4 hours to 1.5 hours, and lowering incident response time by 40%.

KEY PROJECTS

AutoInstaller | python, websocket, automation, git, powershell scripting | link
- Built an automated installer framework to streamline software deployment across multiple systems.
- Utilized WebSockets for real-time communication between client and server, ensuring seamless package installation.
- Achieved 96.5% installation success rate with 88% automated issue resolution, reducing manual troubleshooting time by 20 hours per month and decreasing post-deployment errors by 55%.

MotionPulse | python, openCV, websocket, automation | link
- Optimized performance for low-latency detection and reduced false positives through adaptive thresholding.
- Enabled remote monitoring via WebSockets for instant status updates and event-driven responses.
- Enhanced anomaly detection algorithms, achieving 87% accuracy, reducing false positives by 79%, and improving network monitoring efficiency by 42% through real-time alerts and adaptive thresholding

PdfParse | Python, LLM, OmniParse | link
- Developed an LLM-powered PDF parser by integrating OmniParse for advanced document processing.
- Improved document extraction accuracy by 65% on unstructured PDFs and reducing parsing time by 40% compared to traditional methods.
- Improved parsing performance, catering to data analysts, researchers, and automation workflows.

OPEN SOURCE CONTRIBUTIONS

Custom ROM & Kernel Development | Android, AOSP, Linux Kernel | kernel
- Built and optimized custom Android ROMs and kernels for personal devices, improving performance, battery efficiency, and security.
- Modified AOSP source code, fine-tuned kernel parameters, and integrated custom patches for enhanced stability.
- Experimented with scheduler tweaks, memory management optimizations, and security hardening to refine the Android experience.

EDUCATION

Bachelors of Science in Information Technology | Mumbai University | 3rd Year | 2022 – 2025

- Key Coursework: Operating Systems, Network Security, Machine Learning, Parallel Programming
- Research Focus: Exploring the intersection of DevOps and Cybersecurity.
- Project Work: Developing AI-powered intelligent systems to improve automation and decision-making processes.

TECHNICAL SKILLS

- Languages: Python, C, C++, Java
- Frameworks & Tools: AWS, Azure, GCP, Docker, Kubernetes, Ansible, Jenkins, GitHub Actions, GitLab CI/CD, Prometheus, Grafana, Nagios, Zabbix, FastAPI, Firebase, Git, GitHub, Hyper-V, VMware, Node.js, React.js.
- Databases: MySQL, PostgreSQL
- Software: Postman, Ansible. SQL Server 2008
- Operating Systems: Linux (Ubuntu, RedHat, CentOS), Windows Server 2008, 2012, 2016

CERTIFICATIONS

- Postman API Fundamentals | Skills: REST APIs, API Requests

LEADERSHIP & VOLUNTEERING

- Technical Head, Technotia | led the **Inter-Collegiate Tech Event** | Kamaladevi College | February 2025
- Student Representative | Kamaladevi College | 2022 – 2025
- Mentor | GirlScript Summer of Code – Extd | September 2024 – January 2024
- Mentor | IIT Kharagpur Winter of Code | November 2024 – February 2025
- Designed and developed an intercollegiate website for my college ensuring seamless user experience.
- Engineered secure software solutions for intercollegiate events using Python and deployed over LAN.

- **ACHIEVEMENTS**
- Winner in Cyber Challenge, Delhi Police Hackathon 2024 | CyberPeace & Delhi Police
- Secured 3rd place in a 9 hour game hackathon.
- Secured 2nd place in Web Devicon intercollegiate competition organized by K.S. Model College.
- Secured 1st place in Bug Hunt and Code Debug organized by RKT College - TechTrove intercollegiate event.
- Secured 2nd place in Game Development intercollegiate competition organized by Janakibai College, Kalva.
- Ranked 6th in Top 50 Mentors | GSSoC-EXT 2024, contributing to 10+ merged PRs and project improvements.