Bhavy Yadav

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Education

Indian Institute of Technology, Delhi   **New Delhi, IN**
Bachelor of Technology, Fiber Science and Nanotechnology   *2019–2023*
Captain, Badminton IIT Delhi: Led the badminton team to win a gold medal at the state level and the GC of IIT Delhi.
Academic Mentor: Mentored students in engineering drawing, aiding in skill development.
Coordinator, Rendezvous IIT Delhi: Led a team of 35 in executing MoUs with event sponsors and academies, securing access to judges, artists, scholarships, and prizes.

Core Competencies

GoLang - Python - Cloud Services - Backend Development - ModSecurity - NGINX - REST API Development - License Management - MQTT Brokerage - Network Configuration - Manticore/SphinxQL - PostgreSQL - Log Analysis - Database Management - Unix Sockets - Web Sockets - GraphQL Parsing - OWASP CRS - Frontend Development - Leadership - Project Management - Team Collaboration

Professional Experience

Software Development Engineer *(WiJungle)*   **Gurugram, IN** *07/2023 - 04/2025*

- **GraphQL Parser Development:** Implemented a C++ GraphQL parser integrated with ModSecurity as an adaptive module, reducing parsing latency by 40% and maintaining robust data integrity.

- **DDoS Protection System:** Engineered a Go-based backend for a DDoS protection platform, enhancing security policies and rule enforcement. Boosted detection speed by 35% and minimized downtime by 60%.

- **Log Analysis System:** Designed a log analyzer to convert diverse logs into JSON, transmit via UNIX sockets to Manticore, reducing log processing time by 80% and enabling detailed graph analysis for system insights.

- **Web Application Firewall:** Spearheaded the integration of advanced security measures, managing security for 50+ client websites and reducing security breaches by 25% through customized ModSecurity rules and threat monitoring.

- **Router Configuration Automation:** Automated router configuration updates, reducing manual intervention by 70% through efficient CRUD operations and MQTT policy updates.

- **Anti-APT Defense System:** Devised an Anti-APT system to scan requests and detect malicious activities, reducing advanced persistent threats by 65%.

- **ICAP Server:** Built an ICAP server using Squid, handling over 100,000 HTTP/HTTPS requests daily, assessing file safety and enforcing policy rules.

Analyst Intern *(Gaur Nitai)*   **Remote** *06/2021 - 07/2021*

- Conducted market research on 50+ product categories, identifying 10+ high-potential opportunities via NLP analysis of 100K+ customer reviews, driving a projected $500K annual revenue increase.

- Trained a Naive Bayes classifier with the nltk library, achieving an accuracy of 80% in text classification.

- Directed a 5-member cross-functional team in the successful launch of a new platform.

Achievements

- **Team Lead, WiJungle:** Directed a team of 3 in configuring 20+ routers, improving network uptime by 15% and reducing latency by 10%.

- **Product Owner, WiJungle:** Directed a cross-functional team of 7 in the end-to-end development and successful deployment of the Web Application Firewall (WAF) project.

- **National Science Olympiad:** Received certificate of distinction, ranked 599 internationally.

- **International Mathematical Olympiad:** Ranked in the top 2.5% and awarded a certificate for excellent performance.

Project

- **Golang Log Listener** ⌗ : Constructed a high-performance Golang-based Log Listener that processed over 1M log entries daily; integrated GeoIP enrichment and supported both UDP and TCP protocols, enhancing data insights for operational teams.