



NOMAN HABIB

CONTACT

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Gulistan-e-Jouhar Near Continental
Karachi, Pakistan

SKILLS

- Networking:** Network Design and Architecture (LAN, WAN), Routing and Switching (OSPF, BGP, and EIGRP), Network Security (VPNs, IDS, IPS), Wireless Networking (Wi-Fi standards, WLAN controllers), Network Troubleshooting, Firewall Configuration, Virtual Private Networks VPNs (IPsec, SSL VPNs), Network Monitoring & Performance Management (SolarWinds, PRTG), Network Protocols (TCP/IP, HTTP, FTP, DNS, DHCP, SNMP), VoIP and Telephony, Server Management (Windows Server, Unix/Linux), Cloud Networking (AWS, Azure, Google Cloud), Network Automation, Load Balancing and Traffic Management, Data Center Networking (SANs, switches, storage systems), IPv6 Implementation, Security Information and Event Management (SIEM), Quality of Service (QoS).
- Cyber Security:** Network Security, Penetration Testing (VAPT), Security Information and Event Management (SIEM), Cybersecurity Threat Analysis, Incident Response, Disaster Recovery & Business Continuity, Data Protection & Encryption, Offensive and Defensive Security, Risk Management, Compliance and Governance, Security Auditing & Policy Development,

PROFILE

Dynamic Information Technology(IT) skilled Cybersecurity specialist, DBA Software Developer, Web Admin, Network / System Admin, with over 17 years of IT leadership experience, excelling in managing and securing IT infrastructure, databases (Oracle, SQL Server, MySQL), and networks using tools such as Wireshark, Nmap, and advanced firewalls (Cisco ASA, Fortinet). Proficient in implementing cybersecurity strategies, disaster recovery planning, and vulnerability assessments, with extensive expertise in Windows Server (Active Directory, Email Server) and LAN management. Adept at optimizing security standards, mitigating risks, and leading teams through security audits and systems implementation. Internationally recognized for research in counter cyber intelligence, focusing on insider threat risk analysis and cybersecurity strategies. Proven ability to collaborate with IT leadership, deliver innovative solutions, and ensure compliance with security standards to safeguard data and infrastructure.

EDUCATION

Post Graduate Diploma in Cyber Security

NED Academy- NED University Karachi

2022 - 2024

- Majored in Cyber Security Foundation, Information Risk Management, Cyber Security Core, , Cyber Security Offensive, Cyber Security Defensive with Project
- PGD completed with 3.79 out of 4.00 GPA
- Final Project & Thesis: Research on Counter Cyber Intelligence with approach in context of Pakistan

BS Software Engineering

University Of Sindh Jamshoro

2001 - 2005

- Professional development completed in Software Engineering
- Majored in Software Engineering, Database, Networking, and Information System. Graduated with 3.18 out of 4.00 GPA
- Final Project & Thesis: Remote Visually Monitoring and Controlling of Physical factory plant using Real Time Protocol (RTP) working through Java Network
- Programming (J2SE, J2EE), Java Media Frame Work (JMF), Java Native Interface (JNI) and also develop self-Encryption Technique.
- Awarded 2nd Position from GIKI Islamabad in All Pakistan Software Competition held in 2004

HSC Pre - Engineering

Govt Muslim Science Collage Hyderabad

1998 - 2001

SSC Science

Govt Comprehensive H Sec School Mirpurkhas

1997 - 1998

- Ethical Hacking, Cryptography, Cloud Security, Digital Forensics.
- **Operating Systems:** Unix/Linux, Windows, Parrot, Meta Exploit.
- **Computer Languages:** Dot Net, Java Standard Edition (J2SE, J2EE, J2ME, JMF), C++
- **Database Administration:** Database Packages: Oracle, SQL Server, DB2
- **Data Structure:** Data Communication, System Analysis & Design, Digital Logic & Design, Object Oriented Analysis, Web Programming
- **System Analysis and Design**
- **MS Office Package**
- **Data Analysis**
- **Data Science**

RESEARCH PUBLICATION

Securing Pakistan's Cyberspace: Cyber Counter Intelligence Strengths, Weaknesses, and Strategies

International Journal of Information Science and Technology (IJIST)

Publication Date: [Oct, 2024]

DOI/Link (if available):

https://www.researchgate.net/publication/385159295_Securing_Pakistan's_Cyberspace_-_Cyber_Counter_Intelligence_Strengths_Weaknesses_and_Strategies
[10.13140/RG.2.2.24262.89922/1](https://doi.org/10.13140/RG.2.2.24262.89922/1)

This research examines the strengths, weaknesses, and strategic approaches to securing Pakistan's cyberspace, with a focus on enhancing the country's cyber counterintelligence capabilities. Key Contributions: Provided an in-depth analysis of Pakistan's cyber defense framework, identified key vulnerabilities, and proposed actionable strategies to strengthen national cybersecurity infrastructure.

CERTIFICATION

Certified Information Systems Auditor (CISA) by ISACA

Completion Date: 28 Dec 2024

Cybersecurity Fundamentals IBM

Completion Date: 11 Sep 2024

WORK EXPERIENCE

Network/ System Administrator

PCSIR, Ministry of Science & Technology.

2022-03
Current

- Designing of Network Architecture
- Network Deployment and Implementation of Centralized Architecture.
- installing and configuring computer networks and systems

identifying and solving any problems that arise with computer networks and systems

Data Analyst

UNICEF, Karachi Pakistan.

2018-01
2022-03

- Worked in Emergency Program Polio Eradication at District level. Working on COVID-19 at District level for data collection and share with Health Authorities and District Administration.
- Take follow up regarding retake samples and update on Chief Minister COVID-19 Portal. Evaluated and trends to understand competitive environments and assess current strategies.
- Performed system analysis, documentation, testing, implementation and user support for platform transitions.
- District and Town wise raw data Visualization in DPCR during Pre, Intra and Post Campaign using Tableau for easily understanding to the viewers.
- Using Power Bi for data Analyzing and Presentation in District and Town level meeting.
- Coordinated statistical data analysis, design, and information flow.
- Documented business workflows for stakeholder review.
- Create Google forms for data collection regarding Employees Record Management. Strong written and oral Communication skills for drafting in between EOC, DPCR and Town.

Dy. Assistant Director

NADRA, Karachi, Sindh

2009-10

2017-11

- Successfully achieved the major goals of organization.
- Afghan Refugees project POR at PCM Site.
- Watan card for flood affected areas.
- Benazir Card for poor peoples.
- Arm License project.
- Technical Support towards all over the region.
- Database Management of overall region.
- Software applications updates and management.
- Regional databases backup repository.
- Resolved problems, improved operations and provided exceptional client support.
- Managed quality assurance program, including on-site evaluations, internal audits and customer surveys.
- Managed Information Security System as per SOP
- Monitor the Network System

Computer Programmer

Liaquat University of Medical & Health Sciences

2006-03

LUMHS - Jamshoro, Hyderabad, Sindh

2009-01

- Researched, designed and implemented scalable applications for information identification, extraction, analysis, retrieval and indexing.
- Worked on Computerization record of patients using Oracle9i with Oracle Developer 2000 on distributed environment for Govt. of Sindh Eye Hospital Hyderabad.
- Maintained existing applications and designed and delivered new applications.
- Wrote highly maintainable, solid code in Oracle Developer for E-Patient system that formed core framework and has won consistent praise from subsequent developers since initial version.
- Created databases, data entry systems, web forms and other applications for diverse uses.
- Software design and development across 4 -members development team while remaining focused on meeting client needs for functionality, timeline and performance.
- Provided computer programming subject matter expertise to project team members.

ACCOMPLISHMENTS / ACHIEVEMENT

- Research Publication has been Publish International Journal/ Information Science and Technology (IJIST)
- Certified Information Systems Auditor (CISA) by ISACA.
- Final Project & Thesis in PGD: Research on Counter Cyber Intelligence with approach in context of Pakistan.
- Final year Project and Thesis in BS on Remote Visually Monitoring and Controlling of Physical factory plant using Real Time Protocol (RTP).
- Inventory Management System.
- Java based Audio recorder in various formats.
- Java based Audio Video Conferencing System using Java Media Framework (JMF).
- Visual Basic.
- Drugs Management System for Al Burhan Drugs Agency.
- E-Computer Management System using SQL Server 2000.
- Personal Home Page.
- Online Medical Reports System for Rural areas using My SQL and Apache Web Server.
- Customer Relation Management (CRM) System.
- Java Network Programming (J2SE, J2EE). Java Media Frame Work (JMF). Java Native Interface (JNI).

PERSONAL PROFILE

- Father Name Habibullah
- Date of Birth 30-June-1982
- Domicile Tharparkar Sindh(R)
- CNIC# 41306-9103776-1