

MUHAMMAD WASIQ NOOR

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WORK EXPERIENCE

NED University of Engineering & Technology **Lecturer** **2024-present**

National Center in Big Data & Cloud Computing **Research Assistant** **2023-2024**

- Smart system for real-time cricket ball detection, shot classification, and pitch analysis using computer vision models
- Thar malnutrition project in which data from sensors are uploaded on cloud where analysis being performed and web-based dashboard available on <https://sindh-hec.web.app/>
- Conducted Exploratory Data Analysis (EDA) and data preprocessing, including data wrangling of raw sensor data to ensure quality and consistency for downstream analytics. Built predictive models using time series analysis to forecast patterns and deliver actionable insights to project stakeholders.
- Developed an SQL database with an API for seamless data access, retrieval, and secure logging for device communications over internet.
- Developed data pipelines to load data from APIs, enabling structured batch processing of sensor and weather data for real-time analysis and visualization.
- Designed and implemented a cloud-based data architecture with horizontal scalability, enabling the infrastructure to grow dynamically to accommodate increased data load.
- Managed and optimized cloud resources, leveraging cloud-native data services for efficient data storage and retrieval, reducing operational costs while enhancing performance.



Getz Pharma **HelpDesk Specialist** **2022-2023**

- Managed and maintained Active directory.
- SolarWinds ticket management. Logging tickets and maintaining SLA.
- Configuring LAB Solution machines.



Friesland Campina (Engro Foods) **ICT Local User Support** **2021-2022**

- Managed and maintained Active directory.
- SAP ID creation, load transfers, password resets and authorizing t-codes.
- Power BI automation.
- ERP and SharePoint cloud drive management.



Hackerspace **Assistant System Administrator** **2019 – 2021**

- Maintained Active directory.
- Involved in clustering of servers.
- Hypervisor and VMs management.



QUALIFICATIONS

Masters in Data Engineering & Information management **NED University of Engineering and Technology** **2024**

- **Majors** in Big Data Analytics, Advance Databases, Data Security & Information System Management.
- **Master's Thesis:** Smart Monitoring and Assessing the Impact of Urban Forest on Environment.

Bachelors of Engineering in Electronics **NED University of Engineering and Technology** **2019**

- **FYP:** Autonomous Control and Monitoring System for Domestic Applications Using Raspberry Pi.
- **Majors** in Automation and Embedded Systems



KEY ATTRIBUTES

- Adaptive, quick learner, organized, strong analytical abilities and a team player.
- Excellent presentation and negotiation skills.

SKILLS

➤ Python	➤ R	➤ Power BI
➤ SQL	➤ MATLAB	➤ SAP BASIS
➤ Cloud Management	➤ Hadoop	➤ Raspberry Pi
➤ Active Directory	➤ Azure	➤ Proteus

ACHIEVEMENT

- **PROCOT'18** - Won LFR (line following robot) Competition.

VOLUNTEERING EXPERIENCE

EEN (Electric Endeavour NED)	Electric Team Member	2019
IEEE IAS	Vice Chair	2018