

SANA ADEEL

Electrical Engineer | Data Analyst | GenAI Practitioner

📍 Karachi, Pakistan

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PROFESSIONAL SUMMARY

Forward-thinking Electrical Engineer and Certified Data Analyst, currently transitioning into the AI and data-driven future. Proven telecom expertise combined with hands-on skills in GenAI tools, Python, SQL, Power BI, and web-based AI development. Recognized in top performance cohorts and international hackathons. Eager to drive innovation in data, education, and GenAI spaces.

EDUCATION

Master of Engineering (Electrical) – NED University of Engineering & Technology, Karachi
2009 – 2011 | CGPA: 3.28

Bachelor of Engineering (Electrical) – NED University of Engineering & Technology, Karachi
2003 – 2007 | 79.65%

PROFESSIONAL EXPERIENCE

Data Analyst Intern – Ain GenX (Remote)

Apr 2025 – May 2025

- Analyzed and visualized datasets using Python, SQL, Power BI, and Excel
- Built dashboards to extract actionable insights
- Performed exploratory data analysis and contributed to structured reporting

Data Analyst Intern – Ain GenX (Remote)

Jan 2025 – Feb 2025

- Conducted data collection, cleaning, and visualization using Excel and Power BI
- Created interactive dashboards for reporting
- Supported data-driven decision-making for internal reports

Assistant Manager – PTCL (DTEB Karachi)

Mar 2009 – Oct 2012

Management Trainee – PTCL

Apr 2008 – Mar 2009

- Operated and maintained EWSD, STP, and Soft Switches
- Designed and implemented routing, zoning, and trunk group databases
- Conducted traffic load analysis and managed STP traffic links
- Integrated tariff plans across different time zones and switching systems
- Awarded for record-breaking QoS and customer satisfaction during Eid traffic (2009)

Engineering Intern – Sui Southern Gas Company (SSGC)

Jun 2006 – Jul 2006

- Assisted in inspection and operations of HVAC systems (Services Department)
- Gained exposure to real-time monitoring and telecom telemetry
- Supported engineers in data logging, surveys, and preventive maintenance

HACKATHON & PROJECT EXPERIENCE

- **In Progress – Raise A Hack 2025** (Qubic Track – GenAI Smart Contract Explainer)
- **In Progress – OpenAI to Z Challenge (Kaggle)** – AI for Amazon Archaeology Site Detection
- **Mystica: Jungle of Knowledge Game** – GenAI Quiz Game for Kids/Teens (lablab.ai)
- **PSX Investment Chatbot** – Shariah-compliant assistant using Gemini & PSX data (Kaggle)
- **Food Planner & Calorie Recommender** – AI Meal & Nutrition Chatbot (Gemini)
- **News Authenticity Detection Agent** – Fake/Real News Classifier Web App (GPT-4)
- **Financial Loan Analysis Dashboard** – KPI and Loan Risk Dashboard (Python + BI)
- Supported GenAI web app projects with structured data pipelines and prompt engineering
- Contributed to ML model training and evaluation under supervision of senior analysts

CERTIFICATIONS

- Certificate of Completion – /execute: AI Genesis (lablab.ai, May 2025)
- Top Performer – ULEFUSA Cohort 1 (Pak Angels, Mar 2025)
- Fall in Love with Deepseek – Hackathon Certificate (lablab.ai, Feb 2025)
- Top Performer – PEC Generative AI Training Cohort 1 (Pak Angels, Feb 2025)
- Certificate of Participation – Idea Hunt Training (ASPIRE Pakistan, Feb 2025)
- AI for Connectivity – Hackathon Certificate (lablab.ai)

TOOLS & SKILLS

Languages & Tools: Python · SQL · Power BI · Excel

Tech Competence: Data Cleaning · Visualization · Predictive Modeling · GenAI Web Dev

Soft Skills: Teamwork · Leadership · Communication · Time Management · Critical Thinking

Mindset: Fast Learner | Innovation Driven | Detail Oriented | Goal Focused

ACHIEVEMENT

PTCL Achievement Award

Awarded for exceptional performance during Eid-ul-Fitr 2009 for achieving record international traffic and QoS, ensuring high customer satisfaction.

INTERESTS

- GenAI and Prompt Engineering
- AI Hackathons and Innovation Labs
- Data Analysis and Visualization
- EdTech & Knowledge Platforms