

SHEEZA NAZEER

Data Analytics | Business Analytics | Software Engineer

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Summary

Experienced software engineer and graduate student in Business Analytics with 5+ years of technical development experience and growing specialization in data analytics, visualization, and business intelligence. Skilled in SQL, Python, Power BI, Tableau, and advanced Excel for transforming complex datasets into actionable insights. Experienced in building dashboards, performing exploratory data analysis, and supporting data-driven decision-making across research and technical environments. Combines strong analytical thinking with engineering rigor to deliver scalable, insight-driven solutions.

Skills

Technical:

- **Data & Business Analytics:** Power BI, Tableau, Advanced Excel (Pivot Tables, Power Query), SQL, Python
- **Data Analytics Capabilities:** Data Visualization, KPI Dashboards, Trend Analysis, Forecasting, Business Insights
- **Blockchain & Web3:** Solidity, Ethereum (Layer 0/1), Smart Contracts, dApps, DeFi, ICOs, Ordinals
- **Web Development:** JavaScript, React.js, Node.js, Express.js, REST APIs, GraphQL
- **Web3 Libraries & Frameworks:** Ethers.js, Web3.js, Truffle, Hardhat
- **DevOps & Tools:** Docker, Git, GitHub, VS Code, Swagger, Postman
- **Architecture & Methodologies:** MVC Architecture, Agile / Scrum

Professional:

- Blockchain Trainer • Project management • Teamwork • Multitasking • Data-driven Decision Making
- Leadership

Education

The University of Scranton, PA, USA

MBA Business Analytics & Supply Chain Management
Aug 2025 – Present

University of Agriculture, Faisalabad

MS Computer Science — CGPA: 3.53
2019 – 2021

Government College University, Faisalabad

BS Computer Science — CGPA: 3.61
2015 – 2019

University of Agriculture, Faisalabad

Bachelor of Education (B.Ed.) — CGPA: 3.53
2020 – 2021

Experience

The University of Scranton, PA, USA

Graduate Research & Teaching Assistant | July 2025 – Present

- Assisted professors with lectures, graded assignments and exams, and provided academic support to students during office hours and tutorials.
- Analyzed research datasets using SQL, Power BI, and Excel to generate dashboards supporting business analytics and supply chain decision-making.
- Built interactive visualizations to identify operational trends and performance KPIs.
- Performed data cleaning, transformation, and exploratory analysis for academic research projects.

Koin Network, Remote

Blockchain Developer | May 2024 – June 2025

- Deployed multi-chain smart contracts and NFT marketplace infrastructure.
- Delivered secure, scalable Web3 solutions in cross-functional teams.

Quadplex, Pakistan

Blockchain Engineer | February 2023 – May 2024

- Led blockchain architecture, research, and technical planning initiatives.
- Optimized smart contracts and mentored junior engineers.

InvoZone, Pakistan

Blockchain Engineer | July 2021 – January 2023

- Built and deployed dApps, NFT platforms, ICOs, and cross-chain solutions.
- Integrated Web3 systems with scalable backend and frontend architectures.

Research & Publications

SmartProof: Verifiable Pipeline for LLM Smart Contract Synthesis, Auditing, and Trust Scoring

TechRxiv (Powered by IEEE), 2025

- Proposed a verifiable pipeline combining LLM-based smart contract generation, automated auditing, and trust scoring.
- Addressed security and trust challenges in AI-generated smart contracts for decentralized applications.

V8COIN Protocol: A Decentralized Stablecoin Framework for Financial Inclusion

Technical Whitepaper, 2025

- Designed a Polygon-based ERC-20 stablecoin architecture with DAO governance and DeFi services.
- Defined tokenomics, lending, staking, and yield mechanisms targeting financial inclusion and scalability.

Principal Market Selection via Dynamic Weight Adapter

Research Work, 2025

- Designed a real-time market selection system using dynamic liquidity scoring based on spread, depth, volume, and volatility.
- Implemented Dynamic Weight Adapter (DWA) with online nonconvex optimization, LightGBM feature selection, CUDA-based solvers, and Bayesian changepoint detection for robust performance under market volatility.

Business Analytics Projects

Loan Data Analysis

[Link](#)

- Cleaned, transformed, and analyzed loan application datasets using SQL and Python to identify key factors influencing approval outcomes.
 - Performed exploratory data analysis (EDA) and statistical evaluation to uncover borrower risk patterns and approval trends.
 - Developed visualizations to communicate insights supporting data-driven lending decisions.
- Technologies:** Python, SQL, Pandas, MySQL, Data Cleaning, EDA, Data Visualization, Business Analytics

FSOC 2025 Financial Stability Dashboard

[Link](#)

- Designed an interactive analytics dashboard to monitor financial stability indicators and systemic risk metrics.
 - Integrated public financial datasets and created KPI visualizations to support regulatory and policy analysis.
 - Translated complex economic data into clear executive-level insights through dashboard storytelling.
- Technologies:** Python, Data Visualization, Dashboard Development, Financial Risk Analysis, Business Intelligence, Regulatory Analytics

Online Retail Analytics

[Link](#)

- Analyzed large-scale e-commerce transaction data using SQL and Python to evaluate revenue performance and customer behavior.
 - Implemented RFM segmentation to classify customer groups and generate actionable marketing insights.
 - Conducted geographic and product-level performance analysis to identify growth opportunities.
- Technologies:** SQL, Python, SQLite, ETL, RFM Analysis, Data Modeling, Business Intelligence, Analytics Reporting

Test Scores

Graduate Management Admission Council , USA	GMAT Focus	Score: 745	Sept, 2024
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Languages

• English (Fluent) • Urdu (Native)

Certificate

- Best Employee Certificate
- Project Management Coursera