

Bilal Ahmad

(+92) 3364402877 | ba8516127@gmail.com | [LinkedIn](#) | [GitHub](#)
Multan, Punjab, Pakistan

EDUCATION

Ghulam Ishaq Khan Institute (GIKI) <i>Bachelor of Science in Artificial Intelligence</i>	Topi, Pakistan 2023 – Present
Beaconhouse School System (BSS) <i>O-Level and A-Level</i>	Multan, Pakistan 2007 – 2023

PROFESSIONAL EXPERIENCE

Data Analyst <i>Zyp Startup</i>	Sep 2025 – Dec 2025 Remote
<ul style="list-style-type: none">Conduct comprehensive data analysis and create visualizations for business intelligenceBuild dashboards and reports using Power BI for strategic decision-makingAnalyze user behavior patterns and provide actionable insights to product teamWork with SQL databases and Python for data processing and analysis	

FEATURED PROJECTS

basepy-sdk <i>Python, Web3.py, Base L2, AsyncIO, Thread-Safe Design</i>	2025
<ul style="list-style-type: none">Developed production-ready Python SDK for Base blockchain extending beyond basic Web3.py wrappersImplemented enterprise features: circuit breaker patterns, rate limiting, caching, thread-safe operationsDelivered 40% performance improvement over raw Web3.py through intelligent caching	
AI-Powered WhatsApp E-commerce Chatbot <i>FastAPI, Python, Supabase, PostgreSQL</i>	2025
<ul style="list-style-type: none">Built production FastAPI backend with AI-powered customer interactions and Supabase integrationSuccessfully deployed to Railway with webhook configuration and environment managementDesigned for Pakistani SME market (90,000+ potential customers) as affordable solution	
Purchasing Power Prediction <i>Python, Scikit-Learn, XGBoost, MLflow, Docker</i>	2025
<ul style="list-style-type: none">Developed end-to-end MLOps pipeline for consumer purchasing power prediction using economic and demographic data, achieving 87% accuracyImplemented automated pipeline with preprocessing, feature engineering (15+ variables), training, and A/B testingDeployed production REST API with model versioning, monitoring, and automated retraining	
Route Optimization & Infrastructure Analytics <i>Python, Geospatial Libraries, Kepler</i>	2024
<ul style="list-style-type: none">Analyzed customer route patterns using geospatial data to identify transportation corridorsBuilt interactive map visualizations for infrastructure investment decisionsDelivered data-driven recommendations enabling strategic infrastructure expansion	

TECHNICAL SKILLS & CERTIFICATIONS

Blockchain & Web3: Layer 2 Development, SDK Development, Smart Contract Interaction, Blockchain Infrastructure
Backend & Frontend: Python, FastAPI, Flask, Django, PostgreSQL, Supabase, Flutter, Kivy, HTML/CSS, React
Cloud & DevOps: AWS Cloud Architecture, Docker, CI/CD Pipelines
Data & AI: Power BI, Machine Learning (NLP), TensorFlow, Scikit-Learn, N8n
Languages: Python, SQL, C++, Dart, JavaScript/TypeScript
Certifications: AWS Cloud Solutions Architect (Sep 2025, ID: 768UWJQX07OK) ChatGPT Advanced Data Analysis (Aug 2025, ID: 1BFGRR6VI0FM)