

Fazlur Rahman

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EDUCATION

BSc in Data Analysis | *University of Messina, Italy* | *Expected Oct 2025*

PROFESSIONAL EXPERIENCE

Data Analyst Intern — Weather Forecast Research Project | *Ongoing*

- Analysed environmental data from Copernicus Climate Data Store for Milan air quality.
 - Performed correlation analysis between temperature and pollutants (CO, NO) using Python.
 - Conducted preprocessing and time-series analysis for data consistency and trends.
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PROJECTS

Energy Management System | Python, Docker, MySQL

- Built a real-time IoT data pipeline using Docker Compose and Python for continuous sensor analytics.
- Automated data ingestion, preprocessing, and anomaly detection with an alert-based monitoring system.
- Improved system reliability and reduced manual data handling through containerized deployment.

Blockchain Transaction System | PHP, MySQL, Ethereum, Web3.php

- Developed a crypto trading platform supporting on-chain ETH transactions via the Ganache test network.
 - Integrated Web3.php for secure wallet interaction, balance synchronization, and real-time transaction tracking.
 - Implemented multi-factor authentication (OTP) and private key isolation to ensure compliance and data security.
 - Designed audit-compliant transaction architecture with detailed logging, improving transparency and integrity.
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TECHNICAL SKILLS

Python, SQL, PHP, Pandas, NumPy, Matplotlib, MySQL, Docker, Git, MQTT, Ethereum, Web3.php

LANGUAGES

English (Fluent) | Bengali (Native) | Hindi (Fluent) | Italian (Intermediate)
