

Md Farman Ali

Data Scientist | Data Analyst | AI/ML Engineer

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[LinkedIn](#)

[Github](#)

[Google Scholar](#)

OBJECTIVE

Passionate and detail-oriented data scientist with hands-on experience in delivering research and development projects in Machine Learning, Deep Learning, Natural Language Processing, Generative AI and Computer Vision. Proficient in Python, SQL, and AI frameworks with a strong focus on delivering impactful solutions, Adept at contributing to scientific publications, patents, and innovative applications.

ACADEMIC BACKGROUND

Bachelor of Computer Science (Honors) with a major in **Data Science**, [Albukhary International University](#), Malaysia.

TECHNICAL SKILLS

- *Programming languages:* : Python, SQL, R, Java
- *AI & ML Algorithms* : Regression, Classification, Clustering, GANs, CNNs, RNNs
- *Deep learning* : Tensorflow, PyTorch, Keras
- *NLP Tools* : SpaCy, Hugging Face, NLTK, Transformers, LangChain, LLM
- *Generative AI* : OpenAI, GPT APIs, GAN-based models
- *Computer Vision* : OpenCV, image classification, object detection
- *Big Data* : Spark (Basic), Hadoop ecosystem, AWS Glue
- *BI Tools* : Tableau, Power BI, Flask, Django, REST APIs,
- *DevOps and Cloud* : AWS (S3, EC2, Athena, CloudWatch), GCP, Docker
- *Platform* : Jupyter Notebook, PyCharm, Visual Studio Code
- *Document Creation* : Microsoft Office Suite, Mendeley, Zotero
- *Web Development* : Experience In HTML5, CSS, JavaScript, ReactJS, Bootstrap
- *Version Control* : Git, GitHub

SOFT SKILLS

- Report Building, Management, Teamwork, Adaptability Time Management, Creativity,
- Leadership, Conflict Resolution, Work Ethic, Critical Thinking, Networking, Resilience
- Cultural Awareness, Negotiation, Analytical, detail-oriented, Strong communicator,
- Fast learner, Fitness tech enthusiast, Collaborative and independent,

LANGUAGE SKILLS : English, Malay (basic), Bangla

WORK EXPERIENCES

- **Data and Business Analyst Intern ([Okoios](#)), Malaysia , Sept. 2025 to Present**
- Hands-on experience in data analysis, business strategy, and project support.
- Collected and analyzed large datasets using SQL, Python, and Excel to extract insights for decision-making. Conducted market research and competitive analysis, supported the development of business strategies, and prepared client-ready reports and presentations. Collaborated with cross-functional teams to achieve project milestones and contributed analytical input during client meetings.
- **Marketing Data Analyst ([Smart TradeHub Solutions](#)), Malaysia Aug. 2025 to Sept 2025**

- Gained hands-on experience in ecommerce and website analytics by collecting, cleaning, and analyzing data using Excel, SQL, and Python.
- Built and automated performance reports with Google Analytics and Power BI, providing actionable insights for marketing strategies. Assisted in optimizing campaigns, tracking KPIs, and supporting business growth initiatives under team mentorship.
- **Data Science Intern (Junior Role), [Codsoft](#), India (Remote) JAN 2025 – FEB 2025**
Hands-on experience in machine learning, data analysis, and project work.
- Built and deployed ML models using Python, FastAPI, and AWS; created BI dashboards with Power BI and Tableau. Led a timetable automation project and managed ETL pipelines using AWS Glue and Fivetran.
- **Data Analyst Intern, [Brainwave Matrix Solutions](#), India (Remote), AUG 2024 – JAN 2025**
Worked on data analysis, visualization, and ML model development.
- **Assistant IT Officer | [Elite Group of Industry](#), Gazipur, Bangladesh JAN 2019 – DEC 2022**
Managed reports, data handling, and IT support operations.

RESEARCH PROJECT AND PUBLICATION

- Hybrid Feature-Based Machine Learning for Real-Time Biometric Facial Liveness Detection <https://ieeexplore.ieee.org/document/11276976>
- Early Detection of Fetal Distress using CTG and Machine Learning to Improve Maternal and Child Health <https://journals.mmupress.com/index.php/jetap/Issues>
- Current Security Issues and Vulnerabilities Associated With Mobile Application <https://doi.org/10.4018/979-8-3693-6135-1.ch002>
- Development of a Machine Learning Model for Risk Stratification in Lung Cancer Screening Using Low-Dose CT Scan Features. *(Under Review for Publication)*
- Student Performance Prediction Using a Machine Learning Classification Model. *(Manuscript Accepted)*
- Smart Resume Analyzer: An NLP-Based Framework for Automated Resume Screening and Bias-Free Recruitment (Submitted in IEEE Xplore)
- A Hybrid Machine Learning and Meta-Heuristic Optimization Framework for Financial Forecasting (Presented)

PROJECTS

- Developed “AIU Smart Resume Analyzer for HR” using NLP and LLM
- Smart Attendance System Using Face Recognition | [LINK](#)
- Crop Yield Prediction (ML Project)
- Driver Drowsiness Detection System
- Music Recommendation System
- Sentiment Analysis of Social Media Posts
- African Credit Scoring Challenge on [Zindi](#) | [LINK](#)
- Smart Timetable Automation Platform
- Fake News Detection Using NLP
- AI-powered Research Paper Summarizer
- Stock Price Prediction with Time Series

INDUSTRIAL TRAINING AND WORKSHOPS

- Industrial Training: [Celcom Digi](#), [PLUS Malaysia Berhad](#), [Bank Muamalat](#), Malaysia
- Virtual Summer Course on Data Analytics (1 week), [Universitas Brawijaya](#), Indonesia

- Machine Learning Training Workshops (2 weeks), [Universiti Utara Malaysia](#)
- Novice Researcher and Quantum Computing Workshop (2 weeks), AIU, Malaysia

ACCOMPLISHMENTS

- Full Scholarship, AIU, Malaysia.
- Vice President, School Committee
- AIU Dean's List multiple times.
- Aspire Leaders Program 2025, USA.
- Best Speaker, Debate Festival
- Organized academic events and presented papers
- Participant, Kedah Maker Fair 2024

CERTIFICATES

- Programming in Python (**Meta**) | [CERTIFICATE](#) **AUG 2023**
- Machine Learning Foundations (**AWS Academy**) | [CERTIFICATE](#) **MAR 2024**
- Machine Learning Specialization (**Coursera**) | [CERTIFICATE](#) **MAY 2024**
- Foundations: Data, Data, Everywhere (**Google**) | [CERTIFICATE](#) **JULY 2024**
- Introduction to Data ANALYST (**IBM**) | [CERTIFICATE](#) **AUG. 2024**
- CITI Program course (**Data or Specimens Only Research**) | [Verify](#) **02-Jun-2025**

REFERENCE

- **Associate Professor Dr. Basheer Riskhan**
 - Dean of the School of Computing and Informatics, AIU
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