Mohammad Adnan

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EDUCATION

Bachelor Of Technology, Sharda University
Computer Science & Engineering; *Specialization in **Data Science & Analytics**;*

Expected 2026
CGPA: 8.1/10

EXPERIENCE

Haytham Tech Solutions
Data Analyst Intern

New Delhi, India | *On-site*
May 2025 – July 2025

- Built a **machine learning pipeline** to predict client churn using behavioral data (login frequency, feature usage, session time, etc.).
- Engineered key metrics like **Engagement Score** and **Support Severity** to improve prediction accuracy.
- Applied **SHAP explainability** to interpret model outputs and highlight top churn drivers.

JCAPCPL| Tata Steel
Data Science Intern

Jamshedpur, India | *On-site*
May 2024 – July 2024

- Developed and implemented machine learning models to predict key outcomes and optimize operational efficiency.
- Analyzed company data to identify key trends, supporting strategic planning and process improvements.
- Created dashboards to enhance stakeholder data understanding and decision-making.

PROJECTS

Crop Health Monitoring App Using UAV [Link]
Sep 2025

- Developed a crop health monitoring system using UAV imagery and machine learning for real-time agricultural analysis.
- Tools/Technologies: Python, Streamlit, OpenCV, Scikit-learn, Computer Vision, UAV imagery
- Enabled accurate crop count and disease detection for timely farm interventions..

The Virtual Patient [Link]
Jul 2025

- Built a virtual patient training system for medical education with multiple patient personas, enabling realistic doctor-patient interactions and adaptive learning.
- Tools/Technologies: Python, Transformers, Fine Tuning, Ollama, Streamlit
- Enabled scalable, resource-efficient medical training, enhancing accessibility and learning quality

CA-ThinkFlow [Link]
Apr 2025

- Scaled model evaluation to 16 domains with automated pipelines, enabling high-throughput benchmarking of LLMs.
- Benchmarked six leading LLMs (GPT-4o, Claude 3.5 Sonnet, etc) using standardized protocols for rigorous evaluation.
- Demonstrated CA-ThinkFlow's superior performance across foundation subjects, surpassing all evaluated models.

SKILLS

- **Programming & Databases:** Python, SQL, Java
- **Data Science & ML:** Machine Learning, Deep Learning, NLP, LLM, CNN, Data Analysis
- **Frameworks & Libraries:** TensorFlow, PyTorch, XGBoost, Scikit-learn, Transformers
- **MLOps & Deployment:** Model Deployment, Model Optimization, Production-level Deployment
- **Visualization & Tools:** Power BI, Tableau, Git/GitHub, Jupyter, Google Colab
- **Soft Skills:** Leadership, Problem Solving, Team Building, Critical Thinking

PUBLICATIONS

- **Adnan M**, et al. Large Language Models in Chartered Accountancy. MOSTART-2025, Bosnia and Herzegovina. [Link] 2025
- **Adnan M**, et al. Online Payment Fraud Detection Using Machine Learning. RAIT-2025, IEEE.   2024

CERTIFICATIONS

- Database Programming with PL/SQL – Oracle
- Data Science / Analytics – Pregrad

ACTIVITES AND ACHIEVEMENTS

- Presented a paper on Malpractice Prediction in Examination Hall Using ML and DL at ICISC 2025.   2025
- Club **Co-Lead** DataPool | Sharda University   Present