Inzaman Careem

GitHub LinkedIn Portfolio

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Summary

I am a 2^{nd} year undergraduate student pursuing a degree in Artificial Intelligence and Data Science with hands-on experience building machine learning and AI systems to solve real-world challenges and improve productivity. Experienced in developing practical AI-driven solutions, collaborating within teams, and communicating technical concepts effectively. Passionate about leveraging emerging technologies to create value, support innovation, and drive meaningful impact across different industries.

Projects

Automated HR AI System | 2026 – Present Link to Demo
automation system with an orchestrator that routes user requests to specialized agents using intent classification, memory (STM/LTM), and audit logging.

Machine Learning Playground | 2026 – Present Link to Demo
Built an interactive tool to experiment with ML models and visualize how hyperparameters affect training, featuring real-time loss tracking, modular pipelines, and run comparison for rapid, intuition-driven experimentation.

Graph Algorithms Visualizer | 2026 – Present Link to Demo
An interactive visualization tool for graph traversal and path finding algorithms.

Brain Tumor Detection and Classification System | 2025 – Present Link to Demo
Collaborated in a four-member team to design and implement a brain tumor detection system, applying machine learning techniques and structured project management practices. This project supports early brain tumor detection and classification using medical imaging techniques, with the aim of assisting clinical decision-making and reducing risks associated with delayed diagnosis.

HealthSense | 2025 – Present Link to Demo
Built a Java and Python-based disease outbreak analysis system to process healthcare data from multiple hospitals, identify outbreak hotspots, analyze trends, and use LSTM-based machine learning to forecast future outbreaks.

Customer Telecom Churn Prediction | 2025 Link to Demo
Built a machine learning–based customer churn prediction system for the telecom industry using data analysis, Decision Trees, and Neural Networks to identify at-risk customers and support ethical, data-driven retention strategies.

Education

BSc (Hons) Artificial Intelligence and Data Science, Robert Gordon University 2025 – Present

- **Year 2 Modules:** Machine Learning (A), Artificial Intelligence (B), Data Science Group Project (B), Advanced Mathematics for Data Science (A), Object Oriented Programming (A), Data Engineering (A), Simulation and Modelling Techniques (A), Professional Development (A)
- **Year 1 Modules:** Programming Fundamentals (A), Computational Mathematics (A), Database Systems (A), Computer System Fundamentals (A), English Communication (A), Data Structures and Algorithms (B), Web Technology (B)

Lyceum International School - Wattala

Pearson Edexcel A/Level 2022 – 2024

- Chemistry (A*), Mathematics (A*), Physics (A*)

Skills

Programming & Software	Python, Java, R, C, C#, HTML/CSS, SQL, JavaScript, LaTeX
Data Analysis & Machine Learning	PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, OpenCV, Data Visualization, Feature Engineering, Model Evaluation, Optimization
Deep Learning & AI	Neural Networks, CNNs, Computer Vision, Hyperparameter Tuning
Tools & Platforms	Git, GitHub, Jupyter Notebook, Google Colab, Docker, AWS, Linux, MS Office
LLMs & Generative AI	Hugging Face, LangChain, Prompt Engineering, RAG Pipelines, AI Workflow Automation
Databases & Retrieval	SQL, FAISS, ChromaDB
AI Tools	ChatGPT, Ollama, GitHub Copilot, Claude
Soft Skills	Problem-solving, Teamwork, Communication, Time Management, Analytical Thinking

Experience

Independent Python Project (Freelance Attempt) | Self-Initiated
Developed a Python-based game for a freelance client, designing core mechanics and implementing gameplay logic while managing client requirements and communication.

Extra-Curricular Activities

Competitor, Kaggle Student Competition	Participated in multiple machine learning competitions.
ModelX 2025	Finalist in a institutional-level innovation and problem-solving competition.
CodeSprint 8	Competed in algorithmic and problem-solving challenges.
Senior Prefect, School Senior Prefects' Guild	Served as a prefect for 2 years.
School Football Team	Inter-International Football Champions, 2017.
School Chess Team	Inter International Chess Champions, 2023.

Achievements

- Earned International A-Level Highest Grade Achiever, achieving 3 A* and recognized for outstanding performance.
- Placed 3^{rd} in Grade 12; recognized as the best across all grades for academic excellence.
- Led community service initiatives, including a welfare project for non-academic staff and a book donation drive for an underprivileged school.
- Competed in the Inter-International Schools Under-13 Football Championship 2017, with the team emerging as champions.
- Competed in the Inter-International Schools Under-18 Chess Championship 2023, with the team emerging as 2^{nd} Runner-Up.

References

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