# MUHAMMAD SHAHEER JAMAL

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## WORK EXPERIENCE

**AI Intern @ Arcana Info Pvt Ltd**                                      **August 2024 - October 24**

- Developed a predictive machine learning model for chronic kidney disease detection using IBM watsonx.ai, implementing data science techniques to forecast patient health risks
- Created comprehensive business intelligence dashboard with IBM Cognos Analytics, transforming raw data into clear, actionable visualizations.

## PROJECTS

**Inventory Tracker**

- Built a scalable backend system for inventory tracking, evolving from a single store to a real-time, multi-store architecture with RESTful APIs, secure auth, async processing, and audit logging.
- **Skills:** Python, FAST Api, Postgres SQL, SQLite, Redis

**NutriScan**

- Developed a full-stack computer vision application that identifies food from images and delivers comprehensive nutritional breakdowns to users. Engineered with a custom image classification model deployed on Azure ML, MongoDB for data storage, and Streamlit for UI rendering.
- **Skills**: Computer Vision, Azure ML, MongoDB, Streamlit, PyTorch, WebScraping

**Budget Buddy**

- Engineered an intelligent chatbot utilizing Retrieval Augmented Generation (RAG) architecture to provide accurate, contextual responses on Pakistan's 2024 annual budget.
- **Skills:** Python, RAG. LLM, NLP, Document Embedding, PyTorch

## EDUCATION

**Bachelor of Science in Artificial Intelligence**                                      **2022 - 2026**

Dawood University of Engineering and Technology

- **Skills:** C Language, Python, OOP, Assembly Language, DSA, AI, SQL, R Language
- **GPA**: 3.59/4

## SKILLS

- **Machine Learning :** Python, Scikit-learn, PyTorch, Computer Vision
- **Data Analysis :** Pandas, Numpy, EDA, Feature Engineering
- **Model Deplyment :** FastAPI, Microsoft Azure
- **Tools :** Git, Jupyter Notebook
- **Mathematics :** Linear Algebra, Probability, Statistics

## CERTIFICATIONS

- Machine Learning Specialization from **DeepLearning.ai** and **Stanford Online**
- Neural Networks and Deep Learning from **DeepLearning.ai** and **Stanford Online**

## EXTRA CURICULAR ACTIVITES

- **Microsoft Learn Student Ambassador :** Conducted workshops on Azure with Machine Learning and Computer Vision, both online and in-person.
- **Co-Founded DevBiradri Community :** A community where developers come together to learn, collaborate, and innovate.
- **Technical Lead @ IEEE Computer Society** : Provided technical assistance during events, helped organize workshops, and contributed to the technical development of society activities and members.