

Abdul Rahmaan Ansari

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EDUCATION

Heriot-Watt University

Master of Science in Data Science

Dubai, UAE

Sep. 2024 – May 2026

BITS Pilani, Dubai Campus

Bachelor of Engineering in Computer Science

Dubai, UAE

Sep. 2020 – July 2024

EXPERIENCE

AI Engineer Intern

BOVA IT Services

Jan 2024 – July 2024

Dubai, UAE

- Developed a POC with 100% authentication for reducing Anti-Counterfeiting of goods using OpenCV feature extraction and cosine-similarity comparison.
- Deployed on AWS Lightsail for real-time detection using Streamlit and Flask API.
- Built a Receipt Parser using Tesseract OCR, spaCy, and OpenAI API to analyze received receipts in real time.
- Published a strategic Power BI dashboard for an online retail store, providing key insights to enhance financial performance.

Professional Assistant for Database Systems Lab

BITS Pilani, Dubai Campus

Mar. 2023 – May 2023

Dubai, UAE

- Mentored 2nd-year students in MySQL, providing hands-on guidance and support to help them grasp complex database queries
- Delivered clear and engaging explanations of Database Systems concepts, helping students build a strong foundation in relational database management.

Software Development Intern

Missan IT Solutions

June 2022 – Aug. 2022

Sharjah, UAE

- Created MSP audit software with the Head of Technical Services.
- Audited IT infrastructure for new clients.
- Skills: Python, IT Audit, Network Analyzer, and IT Strategy.

PROJECTS

Skin Lesions Classification | *Python, TensorFlow, Keras, Matplotlib*

Sep. 2023 – Oct. 2023

- Classified 19 most common skin diseases available in the DERMNET dataset by implementing multi-stage transfer learning using EfficientNetB5 and a CNN model.
- Performed EDA and balanced the dataset using a custom class weight function.
- Experimented with different pre-trained models and achieved 95.92% accuracy.

Customer Segmentation Analysis | *NumPy, Pandas, seaborn, scikit-learn*

Aug. 2022 – Sep. 2022

- Conducted thorough EDA and handled missing data, re-encoded categorical features, and engineered mixed-type features to identify key customer segments for a mail-order sales company.
- Applied feature scaling and dimensionality reduction techniques to perform clustering on the general population and customer data, then compared the results to identify significant customer segments.
- Delivered actionable insights into customer demographics, enabling more effective and efficient marketing strategies.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, MySQL

Frameworks: TensorFlow, PyTorch, Keras, scikit-learn, Flask, OpenCV, NLTK, spaCy, Hugging Face Transformers

Developer Tools: Git, Amazon Web Services, Google Cloud Platform, VS Code, Anaconda, Colab, Jupyter Notebook, PyCharm, Power BI

Libraries: pandas, NumPy, Matplotlib, Scipy