Suhail Ahmed

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EDUCATION

- **Heriot-Watt University** — Dubai, UAE
  Bachelor's of Science - Computer Science, specializing in AI (Hons. - First Class) — *Batch of 2024*
  Dissertation Research on **Unsupervised Domain Adaptation using Transformers**

SKILLS SUMMARY

- **Languages:** Python, JavaScript, SQL, HTML, CSS, Java, C, C#, C++, OCaml
- **Frameworks:** PyTorch, TensorFlow, Scikit-Learn, Keras, Django, Flask, Streamlit, React, 3JS, Flutter, AWS, Docker
- **Soft Skills:** Problem Solving, Communication, Collaboration, Leadership, Stakeholder Management, Delegation
- **Business Skills:** Analytical Skills, Organizational Skills, Microsoft Excel, MS Office, Research

WORK EXPERIENCE

- **Softlogic Holdings** — Dubai, UAE
  Solutions Engineering Intern — *January 2024 - April 2024*
  - Was a part of the **product development** and **enhancement** team of the company's main **IP**.
  - Drove initiatives and negotiations with international clients and stakeholder
  - Managed the company's **HealthTech software projects** in the Middle East.

- **Al Yousuf Group** — Dubai, UAE
  Software Development Intern — *February 2023 - August 2023*
  - Started as a **full stack developer**. Was quickly promoted to a **team lead** and then, **project manager**.
  - Worked on 5 different projects in total: **CRM**, **Sales forecasting & data visualization**, **Gamification**, **Appointment Scheduling**, and a **Chatbot**.
  - Managed 3 different teams as project manager and rolled out 3 different projects.
  - **Automated** the company's lead management workflow by building a CRM app tailored to the company's needs.
  - Regularly drove requirement elicitation meetings and had a good relationship and understanding with all the stakeholders.

- **IO21 (now acquired by EuroTech ME)** — Dubai, UAE
  Software Development Intern — *January 2022 - April 2022*
  - Worked on their e-commerce project as a backend developer using Django.
  - Was a good team player and quickly learned how to use and work with Django as well as suggested several ideas that were implemented.

PROJECTS - FULL PROJECT LIST ON MY LINKEDIN PROFILE

- **Unsupervised Domain Adaptation using Transformers**: Implemented a game-theoretical methodology for Unsupervised Domain Adaptation on different transformer backbonese, achieving state-of-the-art results on Office-Home and Office31 datasets with the Swin V2 Transformer, exceeding baseline performance by 8.11% and 3.81%, respectively.

- **Smart Routing for Student Commute**: Developed a hybrid K-Means and DBSCAN model for optimizing student commute routing, significantly reducing carbon emissions and fuel costs.

- **AI Content Creation Studio using Gen AI and Web Scraping**: Developed an AI content creation studio leveraging generative AI for video generation, AI-driven audio and captions, integrating OpenAI Whisper, ChatGPT, and TTS for multilingual support and automated editing.

- **Real-Time Audio Stream Processing & Command Detection**: Engineered a real-time audio stream processing solution for command detection using Picovoice's Porcupine for wake word recognition, achieving 94.34% accuracy with dynamic labeling and optimized handling of continuous audio frames.

- **Sentiment & Formality Analysis of Multilingual PDF documents**: Developed a Streamlit app for sentiment and formality analysis of multilingual PDF survey responses using BERT and RoBERTa models, incorporating text extraction, translation, and feature extraction in a multi-step pipeline.

- **Warehouse Optimization Application**: Led the development of a Django-based warehouse optimization app using a decision tree regressor to forecast product sales and optimize the warehouse layout with a 3JS visualization, significantly reducing pickup and delivery times.

AWARDS AND RECOGNITION

- **Deputy Principal's Award** - Heriot-Watt University
- **RTA Sustainability Hackathon** - 2nd Place Nationally
- **AAICO x DDS Hackathon** - 2nd Place Nationally & 5th Globally
- **Compass Hackathon** - AI Track : 2nd Place
- **DDS: Facial Emotion Recognition Hackathon** - Winner