

ARIF ISLAM SHAIK

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PROFESSIONAL SUMMARY

CS student at Manipal Academy Dubai, specialising in AI and machine learning. Completed 2 internships while learning about AI fundamentals and enterprise IT through an NSDC-assessed program and an internship at flydubai. Built 9 applied projects across Python, Scikit-learn, OpenCV, TensorFlow/Keras, and LLM agent frameworks, including a RAG-based email support agent built during the flydubai rotation on Gemini, FAISS, and a custom MCP server.

TECHNICAL SKILLS

Languages - Python · C · C++ · Java · SQL · Dart

ML & Data - Scikit-learn · NLTK · Pandas · NumPy · Matplotlib · Seaborn · TF-IDF · Statistical Modelling · Power BI

Deep Learning - TensorFlow · Keras · OpenCV · Dlib · face_recognition

LLM / Agents - AutoGPT (custom block development) · Prompt Engineering · System Prompt Engineering · LLM task chaining · Gemini API · RAG (FAISS) · MCP Server Development · RAG

Cloud & Infra - Google Cloud (AI Studio · Firebase) · AWS (foundational) · Docker · Git · SQLite

Mobile & Web - Flutter · Dart · HTML · CSS · JavaScript · React · Tailwind CSS · FastAPI · Streamlit

Tools - MS Office 365 · Adobe Lightroom · Photoshop · Canva · Google AntiGravity · Claude

WORK EXPERIENCE

IT Intern

Jun – Aug 2026

flydubai (Masar Internship Programme) · Dubai, UAE | Rotational Internship Across 6 IT Departments

- Rotated through IT Ops/Cargo/CX, IT Corporate & Support, Ecommerce/Travel & Loyalty, PMO, Enterprise Architecture, and Digital Technology & Platform over 8 weeks; completed a QA foundations training on the STLC lifecycle and sat in on Agile ceremonies and a stakeholder requirements meeting.
- Understood how different teams work together separately while learning the architecture and workflow.
- Designed a pop-up for the Service Desk web page during the Digital Technology & Platform rotation which tells the customer what the service is for.
- Built a RAG Chat Bot for the customer service team where they can receive an email from the customer and sends them a reply by referring to the FAQs.

Artificial Intelligence Intern

Jun – Sep 2025

SmartED Innovations · Remote | Assessed by Skill India & NSDC

- Delivered 3 independent AI projects - NLP, ML pipelines, and computer vision - within a single 3-month Skill India / NSDC-assessed internship engagement.
- Built a binary sentiment classifier (TF-IDF + Logistic Regression) on a movie-review dataset, reaching 85% test-set accuracy after iterating on preprocessing and feature weighting.
- Built an end-to-end churn prediction pipeline for a telecom dataset: EDA, feature engineering, dummy encoding, StandardScaler, and Logistic Regression - 88% accuracy on both train and test sets, validated via confusion matrix and classification report.
- Built a real-time face recognition system using the face_recognition library (dlib ResNet, 128-d face encodings) and OpenCV: multi-person identity detection with configurable tolerance, age/gender inference via Caffe DNN models, live confidence score overlay, and pickle-persisted face database.

PROJECTS

Flydubai AI Support System – RAG Email Support System

Jul – Aug 2026

Python · Gemini 3.1 Flash · FAISS · FastAPI · React · Gmail API · MCP Server (HTTP) · SQLite

- Self-initiated RAG email support agent built during the Masar Internship: Gmail API ingestion, an HTTP MCP server standardising the agent's tool calls, Gemini 3.1 Flash classification and reply drafting grounded in FAISS-retrieved case history, a humanizer pass, and human sign-off before send.

The Human Skill - Claude Style Transfer Skill

Jun 2026

Claude API · Prompt Engineering · Style Transfer · SKILL.md Architecture

- Designing a custom Claude skill that detects and strips AI writing patterns from text - then rewrites the output in either a neutral human register or the user's own documented style, inferred directly from their writing samples.
- Engineered the style inference layer as a structured prompt harness that analyses the user's vocabulary, sentence length distribution, and rhetorical patterns to generate a reusable style profile that Claude applies as a persistent context constraint across outputs; actively refining the prompt architecture.

AutoGPT Skill Gap Analyser

Mar – May 2026

Python · AutoGPT Platform · LLM Agents · Docker · HTML · CSS · JavaScript · React · Tailwind CSS

- Designed and integrated custom AutoGPT agent blocks to chain LLM tasks - resume parsing, job description matching, and gap scoring - into a single automated workflow; explored AutoGPT's block architecture to handle multi-step prompt orchestration.
- Part of a 3-person team; owned the front-end UI - upload flow, job input form, and results display - delivering a working web app end to end.

Churn Prediction Pipeline - EDA, Preprocessing & Deep Learning (Spotify)

Sep – Dec 2025

Python · TensorFlow · Keras · Scikit-learn · SMOTE · Pandas · NumPy · Matplotlib · Seaborn

- Coded a reusable preprocessing pipeline covering missing value imputation, IQR outlier detection, categorical encoding, feature engineering (engagement ratio, value-per-hour), and StandardScaler normalisation - fully documented for handoff.
- Generated visual insights via histograms, scatter plots, pair plots, and correlation heatmaps; applied SMOTE to rebalance the training set before one-hot encoding and train-test splitting.
- Trained a 4-layer TensorFlow/Keras MLP (256→128→64→32→1) with BatchNormalization, Dropout, L2 regularisation, EarlyStopping, and ReduceLROnPlateau; evaluated on accuracy of 93%, F1, AUC-ROC, and translated predictions into a business ROI analysis of retention campaign cost vs. revenue saved.

Real-Time Face Recognition System

Jul – Oct 2025

Python · OpenCV · face_recognition · TensorFlow · Keras · Dlib

- Iterated the system starting with Haar cascade detection and template matching, upgrading to the face_recognition library for 128-dimensional dlib ResNet face encodings with tolerance-based identity matching, and integrating TensorFlow/Keras for age and gender classification.
- Implemented real-time frame optimisation by processing recognition every N frames and caching age/gender predictions between cycles, reducing per-frame compute without dropping identity tracking.
- Persisted face encodings across sessions via pickle serialisation; built a live GUI with per-face confidence score overlays, runtime tolerance adjustment, and a full CRUD interface for the face database.

Customer Churn Prediction - Telecom ML Model

Jul – Aug 2025

Python · Scikit-learn · Logistic Regression · EDA

- Programmed an end-to-end churn prediction pipeline with an accuracy of 88% on both train and test sets.

Sentiment Analysis - Movie Reviews

Jun – Jul 2025

Python · NLTK · Logistic Regression · TF-IDF

- Built a binary sentiment classifier using TF-IDF vectorisation and Logistic Regression; achieved 85% test accuracy on a standard movie-review benchmark.

CB Triage - Healthcare Web & Mobile App

Mar – Aug 2025

Google AI Studio · HTML · CSS · Flutter · Dart · Firebase

- Developed a healthcare web app with Google AI Studio across 3 phases: lab results viewer, symptom tracker, and appointment manager (Mar-Jun 2025); converted it into a cross-platform mobile app using Flutter and Dart (Jun-Aug 2025).

- Designed and built all client-side UI components independently, with cross-team validation; Firebase Authentication and Cloud Firestore scoped for backend integration.

Driver Drowsiness Detection System

Sep 2024 – Mar 2025

Python · OpenCV · Dlib

- Developed a driver safety prototype that monitors eye aspect ratios in real time using Dlib facial landmarks and triggers an audio alert on fatigue detection.

LEADERSHIP & EXTRACURRICULAR

Multimedia Lead - Google Developer Groups (GDG)

Sep 2025 – Jun 2026

Manipal Academy Dubai | Dubai, UAE

- Joined as Multimedia Team Member (Sep 2025); promoted to Multimedia Head (Feb 2026). Managed a 4-person team covering all digital content for GDG on-campus events.

Photography Team Lead - Technovanza 2025

Nov 2025

Manipal Academy Dubai | Dubai, UAE

- Led a 4-person photography team at a 2-day tech fest - planned shot lists, assigned coverage zones, and ensured all key moments were documented.

Media Head - DevForge

Nov 2024 – Mar 2025

Manipal University Jaipur | India

- Ran media coverage for 2 events (Techspire and TechRelay): pre-event planning through final post-production. Coordinated with event committees so the team could shoot and deliver without chasing logistics mid-event.

Team Aperture - Photography Club

Dec 2023 – Mar 2025

Manipal University Jaipur | India

- Promoted from Working Member to Team Aperture (Nov 2024); covered 15+ major university events across both roles and met every deadline.
- Mentored 10+ junior members in photography, videography, and editing; introduced clearer task delegation that cut post-production turnaround time.

EDUCATION

B.Tech, Computer Science Engineering

Mar 2025 – Present

Manipal Academy of Higher Education - Dubai Campus | Dubai, UAE

Relevant Coursework: Machine Learning · Data Structures & Algorithms · Artificial Intelligence · Computer Vision · Database Management · Statistics

Transferred from Manipal University Jaipur

B.Tech, Computer Science Engineering with Data Science

Aug 2023 – Mar 2025

Manipal University Jaipur | India

CERTIFICATIONS

- **Flydubai Internship** – flydubai (Aug 2026)
- **Parallel Programming** – Coursera / EPFL (May 2026)
- **Dubai Customs Hackathon 2026 Participation** – University of Dubai (May 2026)
- **Generative AI Mastermind** – Outskill (April 2026)
- **Introduction to Generative AI Learning Path Specialisation (4 courses)** – Coursera / Google (Apr 2026)
- **Artificial Intelligence, STEM Accredited** – SmartED Innovations (Jan 2026)
- **CCNA: Introduction to Networks** – Cisco Network Academy (Dec 2025)
- **AI Internship Completion** – SmartED Innovations · Skill India (Sep 2025)

- **Cloud Unlocked - Certificate of Appreciation** – AWS Cloud Club, MAHE Dubai (Jul 2025)
- **Google Prompting Essentials Specialisation (4 courses)** – Coursera / Google (Jun 2025)
- **Database Management Essentials** – Coursera / University of Colorado (May 2025)
- **Statistics & Data Analysis with Excel, Parts 1 & 2** – Coursera / University of Colorado Boulder (Apr-May 2025)
- **Programming in Java (12-week course)** – NPTEL / IIT Kharagpur (Jul-Oct 2024)

ADDITIONAL INFORMATION

Fluent: English · Hindi · Urdu · Telugu | Learning: Arabic · Bengali · Japanese | Interests: Photography · Reading · Travelling