

PARTH TAILOR

Data Scientist
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WORK EXPERIENCE

Data Scientist – IndiqAI, Dubai

March 2025 – Present

TRINETRA AI (AI-Based Online Proctoring System)

- Built real-time AI-powered online proctoring system using computer vision and deep learning.
- Implemented face detection, gaze tracking, iris tracking, hand detection & head pose estimation for cheating detection.
- Designed structured video chunking pipeline for session recording and post-exam review.
- Deployed optimized local models improving privacy, speed, and accuracy.

ULTIMEET (AI-Powered Meeting Intelligence Platform)

- Developed AI workflows for audio/video/text processing to convert meetings into actionable insights.
- Collaborated with product teams to enhance analytics accuracy and reporting reliability.
- Involved in pre-sales demos, client discussions, and product positioning with UAE enterprise clients.

VIDYA AI – Education Analytics Platform

- Contributed to AI architecture for smart classroom & student analytics platform.
- Participated in client demos, presentations and institutional onboarding.

AI/ML Engineer – Paramount TPA, India

Aug 2023 – Feb 2025

MIS Reconciliation Automation

- Built Python reconciliation engine, reducing processing time by 40%.
- Developed Flask API to integrate tool with ERP systems.

Healthcare Bill Automation (NME & Entry Project)

- Created NLP-based automation reducing manual bill entry by 89%.
- Implemented Transformer-based text classification model with Azure OCR.

Hospital Tariff Digitization

- Automated tariff digitization using Azure OCR + bounding box detection.
- Improved data extraction accuracy by 40% and processing speed by 70%.
- Worked with large medical PDF datasets using Camelot, PDFPlumber, and OpenAI.

PROFESSIONAL SUMMARY

AI/ML Engineer with experience building computer vision, NLP, and enterprise AI solutions for ed-tech and healthcare domains. Skilled in Python, Generative AI, Azure AI services, and deployment of AI models in real-world enterprise products. Experienced in client-facing roles, pre-sales, and product demonstrations across UAE-based startups and enterprises.

SKILLS

- Programming: Python, SQL
- AI/ML: Machine Learning, Deep Learning, NLP, Generative AI
- Computer Vision: Face Detection, Gaze Estimation, Head Pose Estimation
- Frameworks: TensorFlow, Flask, Pandas
- Cloud: Microsoft Azure (OCR, AI Services)
- Tools: OpenAI API, Camelot, PDFPlumber, PostgreSQL

EDUCATIONAL BACKGROUND

Bachelor of Computer Applications (BCA)

The College of Applied Science and Professional Studies

May 2017 – January 2020

Master of Computer Applications (MCA)

The Oxford College of Engineering

March 2020 – November 2022

AI/Data Science Course

Data Mites

January 2023 – June 2023