

# ADIKAR KANDHAI

Phone: 0674020090 | Email: adikarkandhai1@gmail.com | Portfolio: <https://adikar.pro> | Location: South Africa

## PROFESSIONAL SUMMARY

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Dedicated and analytical Information Technology student with a strong foundation in Artificial Intelligence, Machine Learning, Computer Vision, and Software Engineering. Experienced in developing real-time deep learning models, computer vision pipelines, and automated knowledge systems using Python, TensorFlow, OpenCV, and SQL. Holds multiple industry certifications from Stanford University, DeepLearning.AI, Google Cloud, and IBM. Combines technical aptitude and systems optimization skills with a proven background in sales, customer engagement, and technical support.

## TECHNICAL & PROFESSIONAL SKILLS

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- **Software Development:** Python, TensorFlow, Keras, MediaPipe, OpenCV, Scikit-Learn, Convolutional Neural Networks (CNNs), Multimodal LLMs, Prompt Engineering
- **Databases & Systems:** SQL, Relational Database Normalization (1NF–3NF/BCNF), Relational Schema Design, Systems Analysis
- **Cloud & IT Support:** Cloud Computing, PC Hardware Repairs & Configuration, Software Updating, IP Camera Installation, Network Setup & Storage, Troubleshooting
- **Professional Soft Skills:** Problem Solving, Customer Service, Direct Sales, Communication, Team Collaboration, Time Management, Flexibility

## TECHNICAL PROJECTS

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**South African Sign Language (SASL) AI Translator** | Technologies: Python, TensorFlow / Keras, MediaPipe, OpenCV, Scikit-Learn, CNNs | Link: <https://sasl-project.onrender.com/>

- Engineered a real-time computer vision and deep learning framework to translate South African Sign Language (SASL) gestures into text.
- Implemented hand landmark tracking with MediaPipe, created custom image preprocessing pipelines using OpenCV, and trained CNN models for high-accuracy gesture classification.

**LLM Knowledge Base & Automated Research Engine** | Technologies: Python, LLM APIs, Markdown Knowledge Graphs, Automated Indexing

- Engineered an automated LLM personal knowledge base (inspired by Andrej Karpathy's architecture) to compile and index technical literature into structured markdown knowledge graphs.
- Created automated parsing and indexing scripts to query complex technical notes, research papers, and documentation efficiently.

**Relational Database Normalization & Systems Architecture** | Technologies: SQL, Relational Database Design (1NF to 3NF/BCNF), Systems Engineering

- Designed fully normalized relational database schemas to optimize data consistency, eliminate redundancy, and improve query speed.
- Conducted comparative systems architecture analysis between traditional and web-based implementations to evaluate enterprise scalability.

## WORK EXPERIENCE

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### Sales Representative | Dairy Maid

- Managed retail sales and product promotions, driving brand awareness and product turnover.
- Built positive customer relationships and ensured optimal product merchandising and display management.

### Sales Representative | Ola Ice Cream

- Executed direct sales strategies and customer engagement to maximize revenue.
- Maintained accurate sales transactions, managed stock levels, and provided high-quality customer service.

### Crew Member / Service Assistant | McDonald's

- Handled high-volume order preparation for beverages and specialty ice cream desserts (McFlurry & cones).
- Delivered efficient customer service while strictly maintaining quality control, health, and hygiene standards.

### Catering Assistant | Indian Delights Catering

- Assisted in event catering setup, food presentation, and guest service for large-scale functions.
- Collaborated with event staff to ensure seamless service execution and clean station maintenance.

## EDUCATION

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### Bachelor of Science in Information Technology | RICHFIELD

- 2024 – 1st Year: Achieved A Aggregate
- 2025 – 2nd Year: Maintaining A Aggregate

### Higher Certificate in Information Technology (HCIT) | RICHFIELD (2023)

- Graduated Cum Laude

## LICENSES & CERTIFICATIONS

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- Supervised Machine Learning: Regression and Classification — DeepLearning.AI & Stanford University (Issued Aug 2025 | ID: S3WT1KD2SGYX)
- Introduction to Generative AI — Google Cloud (Issued Aug 2025 | ID: NJEHWLSM06OP)
- IBM Data Engineering Professional Certificate — IBM & Coursera
- IBM IT Support Professional Certificate & Specialization — IBM & Coursera (Issued Jan 2025 | ID: N7P0GUQ101Q6)
- Introduction to Cloud Computing — Coursera (Issued Aug 2026)
- Data Science Orientation — Coursera (Issued Aug 2026)
- Cybersecurity Essentials — Coursera (Issued Oct 2022 / Aug 2026 | ID: TSTFW4N5T5FN)
- Software, Programming, and Database Essentials — Coursera (Issued Sep 2022 | ID: T7VR9Q5473Z9)
- Introduction to Networking and Storage — Coursera (Issued Sep 2022 | ID: TZASR593WU83)
- Hardware and Operating System Essentials — Coursera (Issued Aug 2022 / Aug 2026 | ID: E53DTN64AS5D)
- Project Management Essentials — IBM & Coursera (Issued Jun 2024 / Aug 2026 | ID: FKB9DDFXKB7)
- Technical Support Capstone & Fundamentals — Coursera (Issued Aug 2022 / Aug 2026 | ID: 6H5KV9ZLLE34)
- Introduction to CRM with HubSpot — Coursera (Issued Aug 2022 | ID: 2XE3CMCLSFHS)

## REFERENCES

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References available upon request.