



Herbert Moses (Senior Associate)

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Location: Chennai

A result-oriented professional with over 10 years of experience in the IT industry, including specialization in Python Development, Automation, Data Science, Machine Learning, Generative AI, Web Development, and Application/Production Support.

Core Competencies

Programming Languages: Python, Java, Javascript

Frontend: HTML, CSS, Bootstrap
Flexbox, Grid, React, Streamlit

Backend: Flask, FastAPI, Django,
Node.js, Express.js, Spring Boot

Database: SQL, MongoDB

Big Data: Hadoop, Pyspark

DevOps: Docker, Kubernetes, , Jenkins
Git, Github

Gen AI: Langchain LLM, Agents, RAG
Vectorization, Embedding, Indexing

AI Tools: ChatGPT, Meta AI, Copilot

Productivity Apps: MS Office,
Adobe Acrobat Professional, Rally
Splunk, JIRA, IBM-RTC

Operating Systems: Windows, Mac OS,
Linux

Project Management: Agile, Scrum

**Data Structures and Algorithms (with
Python)**

**Software Architecture and System
Design Concepts of Large-Scale Systems**

Academic Details

Professional Program in Data Science and Artificial Intelligence

University of Technology, Malaysia (collaboration with IBM and 360DigiTMG) June 2022—June 2023

Masters in Power Systems and Engineering

SMK Fomra Institute of Technology (Anna University affiliated)
June 2013—June 2015

Bachelors in Electrical and Electronics Engineering

Tagore Engineering College (Anna University affiliated)
June 2009—June 2013

External



- **AWS Certified Machine Learning Specialty**
[Issue Date: January 28, 2024 || Expiration Date: January 28, 2027]
- **AWS Certified Solutions Architect Associate**
[Issue Date: January 8, 2024 || Expiration Date: January 28, 2027]
- **AWS Certified Cloud Practitioner**
[Issue Date: September 10, 2023 || Expiration Date: January 28, 2027]

Languages Known

English, Tamil [Read, Write, Speak]

Work Experience 1: Cognizant

Company Name: Cognizant || Senior Associate – Projects || Tenure: 19-05-2023 – Present

- Led and contributed to multiple Gen AI and automation-based proof-of-concept (POC) initiatives across healthcare and software development domains.
- Developed a chatbot web application integrating with agile tools like JIRA and Rally to streamline project management workflows, leveraging vector embeddings for intelligent query retrieval.
- Built a proactive healthcare assistant using Gen AI to summarize clinical vitals and wearable data, delivering timely alerts and personalized health recommendations.
- Executed feasibility analysis for automatic pattern matching in business-critical applications and performed unstructured-to-structured data transformation from PDFs using tokenization techniques.
- Additionally, managed end-to-end monitoring, support, and enhancement of automation processes within Medicare and Medicaid claims in a production environment.

Work Experience 2: Straive

Company Name: Straive || Project Coordinator || Tenure: 13-05-2020–18-05-2023

Manage all types of books such as monograph, contributed volume, edition books, CRC, reprint volume, etc., under various disciplines from manuscript development to publication (90–120 days' timeline for a single book to get published from the receipt of manuscript).

Work Experience 3: Academic Consulting and Editorial Services

Company Name: Academic Consulting and Editorial Services || Book Editor (Management) || Tenure: 02-07-2015–22-05-2020

Copiedited and Project Managed all types of books under multiple disciplines from manuscript development to publication (120–150 days' timeline for a single book to get published from the receipt of manuscript).

Data Science–AI–ML Projects [2022–2023]

- Executed data-driven solutions across marketing, logistics, and manufacturing domains to optimize performance and reduce operational costs.
- Conducted marketing analytics by extracting app data from the Google Play Store, performing sentiment analysis and NLP to identify top features influencing app success, aiding both developers and stakeholders in strategic decision-making.
- In logistics, forecasted region-wise pallet demand to optimize warehouse storage and reduce costs, while accurately predicting customer-specific pallet requirements to boost profitability.
- In the automotive sector, developed a real-time object detection and video analytics model to monitor clamping sequences, reducing human error and improving assembly accuracy through sensor-integrated alerts.