

## SUMMARY

Over 3.5 years of experience as a Data Scientist, developing models in various applications such as insurance, healthcare, chatbot services  
Hands-on experience with various deep learning models. Skilled in data cleaning, model fine-tuning, performance evaluation, and model monitoring  
Proficient in using Python, Power BI, and SQL for creating chatbots and other applications. Actively participate in project teams, representing and solving complex problems. Effective communicator, able to convey complex ideas clearly.  
Strong analytical skills, with the ability to identify problems, research issues, and provide solutions. Experienced in coordinating with multiple stakeholders to achieve organisational objectives.

## TECHNICAL SKILLS

### Programming language

Python

### Libraries and Frameworks:

Machine Learning and Data Analysis: scikit-learn, numpy, pandas, PySpark, PyCaret

Deep Learning: Keras, Tensorflow

Data Visualization: Matplotlib, Streamlit

Natural Language Processing (NLP): SpaCy, Transformers, langchain, ollama

Web Framework: Flask

### Database

SSMS (SQL Server Management Studio), PostgreSQL

### Data Visualization Tools

Power-Bi

### NLU Platform

Google DialogFlow

### Cloud

Azure databricks, Azure data factory, VM, OVH

### Gen-AI

BERT, T5, LLMs

### Deployment tools

Docker

## PROFESSIONAL EXPERIENCE

### Data scientist

Jun '23 - Present

### Dartin Technologies

Hyderabad, India

Working as a Data scientist for Lenia Healthcare. I've been working for healthcare system in building various transformation models. I leverage, Python, SQL, Flask

### I.A.E Bot Platform

Paris, France

#### • EPM Chatbot

- Utilised Dialogflow to create a chatbot integrated with Google services for EPM systems, enabling customers to access **real-time weather updates** at their convenience
- Empower customers to **create, modify, execute, and delete MDX scripts**, facilitating full control over analytical operations
- Enhanced data visualization & comprehension by **seamlessly integrating with Power BI dashboards** to deliver real-time responses
- integrated a **Gen-AI model** into the chatbot, an end user can play with it a general conversation
- Complete development operations were accomplished in Python **Flask** application

#### • OVH cloud platform

- Designed a chatbot for cloud platform called **OVH**, it will helps the user to create a **Virtual Machines (VM)** with various configurations
- Utilised PowerShell commands, incorporating Openstack, to boost efficiency by more than 50%, streamline access processes within the backend Python code integration

- Implemented a **100% of backup mechanism** allowing users to securely backup **instances, VMs, and snapshots**, enhancing data integrity and disaster recovery capabilities
- Enhanced user experience by developing a feature enabling end-users to effortlessly download invoices based on specified start and end durations, streamlining the billing process

<b>Lenia Healthcare</b>	<b>Australia</b>
<ul style="list-style-type: none"><li>○ Built a various transformation models to get <b>FHIR bundle</b> from various HL7 versions of messages</li><li>○ <b>Acquired in-depth knowledge</b> of HL7 standards, facilitating seamless data exchange in healthcare environments</li><li>○ Developed an end-end optimised transformation model to convert fields from <b>HL7 message</b> segments of various versions into <b>FHIR bundles</b></li><li>○ Ensured code clarity &amp; maintainability by meticulously documenting &amp; structuring code according to <b>pylint standards</b> for enhanced readability &amp; maintainability, following code consistency guidelines</li><li>○ Achieved a validation rate of over 95% through meticulous testing and Ensured the robustness of the transformation model against various edge cases and scenarios</li><li>○ Crafted a Clinical Document Improvement (CDI) solution employing various models like <b>OpenAI, Llama, and Gemini</b>, achieving an accuracy rate exceeding 85%</li><li>○ Deployed and optimised a Fast <b>Healthcare Interoperability Resources (FHIR)</b> Release 5 server in an on-premises, production environment</li></ul>	

<b>Jr. Software Engineer</b>	<b>Sep '21 - Dec '22</b>
<b>Cognizant Technology Solutions</b>	<b>Bangalore</b>

<i>Perform development projects and enhancements on Financial Regulatory reporting systems (FIREG).Execute on the development projects and enhancements of Fire Loss Corporate (LF) CM Bureau Loss (BL)/ CM Bureau Premium (BP) and COBRA (LO) systems. Learn and pick up work in our AM and OCAS BI Finance systems.</i>	
<ul style="list-style-type: none"><li>• Managed a centralized Repository Mesh pod, responsible for organizing and maintaining data for utilisation across other pods</li><li>• performed data preprocessing for two-layer operations: <b>functional</b> and <b>exploitation layers</b>, adhering to specific operational criteria</li><li>• Utilized PySpark for all preprocessing operations, ensuring efficient data handling and manipulation</li><li>• Orchestrated automation of the preprocessing process using Azure Data Factory pipelines, streamlining data preparation tasks</li><li>• Implemented data storage solutions leveraging Azure Blob Storage and Gen2 Storage for seamless accessibility of preprocessed data</li><li>• Facilitated reduced functional dependency and increased operational efficiency across pods by providing readily available data tailored to their respective requirements</li><li>• Maintained regular communication with clients to understand their requirements and promptly executed tasks accordingly</li></ul> <div>Reviewing peer work and documenting the same</div>	

<b>Trainee</b>	<b>Oct '19 - Dec '20</b>
<b>Flipchip Electronics Pvt. Ltd</b>	<b>Bangalore</b>

<i>I served as a Trainee at FlipChip Electronics Pvt. Ltd., an Electronic Division of YASH Technologies.</i>	
<ul style="list-style-type: none"><li>• Identified and debugged many electronic circuits</li><li>• Contributed to the Quality Control Department to uphold quality standards</li><li>• To maintain the quality of the manufacturing at 98% accuracy by ensuring that each component was accurately put on the circuit board</li><li>• Tested and Debugged many complex electronic circuit boards</li><li>• performed basic python tasks to test the pcb boards and take the data from it</li></ul>	

EDUCATION

<b>B.Tech (Electronics and Communication Engineering)</b>	<b>Aug '15 - Jun '19</b>
<b>AVN Institute of Engineering and Technology</b>	<b>Hyderabad</b>
<b>Intermediate (MPC)</b>	<b>Jun '13 - Mar '15</b>
<b>Sri Chaitanya jr College</b>	<b>Hyderabad</b>
<b>10th Standard (SSC)</b>	<b>Jul '11 - Mar '12</b>
<b>Bhashyam public School</b>	<b>Hyderabad</b>

CERTIFICATIONS/TRAINING

IETE certification earned from AVN Institute of Engineering and Technology  
Python for Data Science-IBM – [dad361320f7841f185cf131c7beff636](#)