VIDATT

Consulting & Software Development Services

Company Overview

- Founded in 2015

- Founded by Dynamic Visionaries with extensive industry experience and deep knowledge in Software & Hardware Development, Machine Learning, High Performance Computing and System Engineering

- Expertise in working with end to end solutions involving Data, Voice and Video

- Developed Software Solutions for Multiple Global Customers across Health Care, Entertainment, Media, Security & Education Domains leveraging our deep expertise in AI, Video, Voice and Data Science.

Product Development – Core Skills

- Extensive experience in End to End Product Development Cycle – from System Engineering, Development to Testing and Maintenance

- Working with various aspects of Spec development, Hardware Selection for Compute and Performance

- Expertise in Machine Learning, Image Processing, High Performance Computing, Algorithm Development

- Core Software, Database, Front End and Cloud Development

- Computation Performance & Scaling (CPU / GPU, Parallel Programming, Scheduler, Performance Optimization)

- Analytics / Visualization development

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AI, Data Science – Core Skills

- Extensive experience in Data Analytics and Visualization across multiple domains

- Working with various aspects of Data including image, video, audio, statistical data and combination

- Determining optimal approach for problems among Prediction, Classification, Verification, Inference

- Classical Machine Learning and Deep Learning

- Computation Performance & Scaling (CPU / GPU, Parallel Programming, Scheduler, Performance Optimization)

- Visualization, Charting and Classification to enable easy decisions

Software Development – Skills

- **Core Software: C, C++, Java, Python**

- **Machine Learning: TensorFlow, Torch, OpenVINO, Open CV, Numpy**

- **Cloud / Containers: AWS, GCP (Google Cloud Platform), Dockers, Kubernetes**

- **Database: MySQL, SQL, MongoDB**

- **Operating System: Linux, Windows**

- **Front End: JavaScript, HTML, Restful Services / APIs, Flash / Celery, Andriod, IOS**

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Vidatt – Solution Flow

- **Understanding Requirement**
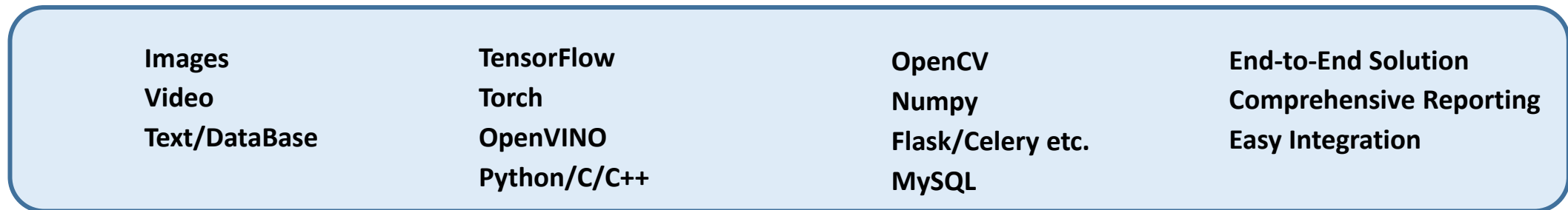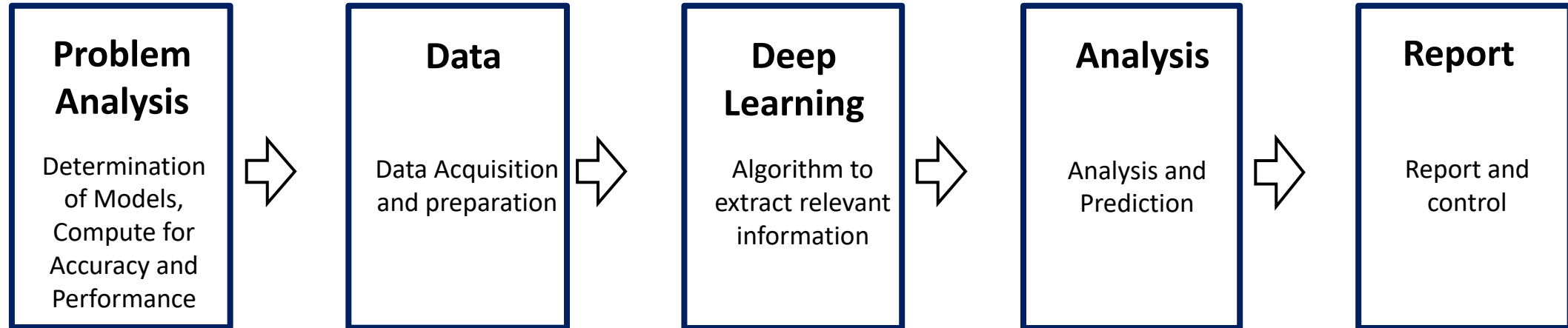
- **Analyzing & Preparing Data**

- **Choosing / Preparing the right Model**

- **Implementing & Verifying the Model**

- **Interface SW Platform**

- **Performance Optimization**

- **Automating Work Flow**

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Technology

Problem Analysis		**Data**		**Deep Learning**		**Analysis**		**Report**
Determination of Models, Compute for Accuracy and Performance	⇨	Data Acquisition and preparation	⇨	Algorithm to extract relevant information	⇨	Analysis and Prediction	⇨	Report and control

Images
Video
Text/DataBase

TensorFlow
Torch
OpenVINO
Python/C/C++

OpenCV
Numpy
Flask/Celery etc.
MySQL

End-to-End Solution
Comprehensive Reporting
Easy Integration

System level Optimization for CPU/GPU

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Customers & Partners