

Introduction session 10th April

- **Any 1 language preferably Python**
- API, Cloud, Ops, deployment, testing, CI-CD pipeline, ETL understanding.

Modular programming/solution

for every project / assignment some will be deployed and productionized

- Databases
- Statistics
- Deployment
- Chatbot
- Machine Learning
- Data Analysis
- Deep Learning

- **Mathematics**

- relationship between variables
- features
- distribution
- skewed
- missing values
- outliers
- statistical analysis

we need to know why we are calling the function and to interpret the results

basic algorithm --> mathematics --> building small solution --> fine tuning --> deploying

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Introduction session 11th April

Google Coral to check for different domains

Develop solutions for different problems

- Business Understanding / Requirements
- Factors affecting
 - Data Preparation (ETL)
 - Cloud - CI/CD
 - Big data
- Statistical Analysis
- EDA
- Model Strategy
 - Machine Learning approach
 - Customized machine learning approach
- Testing with un know, tuning also
- Production
- Retraining

Skill set

- Big data
- BU
- ML ops
- Stats
- ML Core
- Cloud
- Language

See DSAR for architectural design