

**TEK07218 (Data Scientist - 6 + Year)**

■ Bachelor of Engineering

## Highlights

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**Summary:**

Highly motivated and passionate Data enthusiastic who has strong analytical experience in data collection, preprocessing, statistical analysis, data modelling, along with data visualization, creating dashboards and storytelling.

## Skills

**Primary Skills**

- Artificial Intelligence
- Machine Learning

**Secondary Skills**

- Anaconda
- AWS SageMaker
- Python

**Other Skills**

- Languages: Python, Java, C, CPP
- Database: SQL, NOSQL-MongoDB, Hive
- Operating System: Windows, Centos, Ubuntu
- Statistic: Descriptive Statistic, Inferential Statistic, Hypothesis Testing
- Machine Learning: Supervised and Unsupervised Algorithms
- Deep Learning: Artificial Neural Network, CNN, RNN, Natural Language Processing
- Computer Vision: Tensor Flow, YOLOv5, OpenCV
- Libraries: NumPy, Pandas, Scikit-Learn, Flask, Pyinstaller, Autoviz, Pandas-Profilling etc.
- Visualization Tools: Tableau, PowerBI, MS Excel, MS PowerPoint, MS Word
- Devops Tools: Docker, Tortoise SVN, Git, GitLab, CICD Pipeline
- Other Tools and Software's: PyCharm, Spyder, VS Code, WinSCP, Putty, Widows SSH, Studio3T, DBeaver, Anaconda, Postman, SOAP UI, JIRA, Service Now, Confluence
- Deployment: UAT server, Heroku, AWS
- AWS Services: S3, Sagemaker, EC2, Lambda
- GCP: VertexAI, Google CX-Dialogflow, Language Translation API
- Prompt-AI tools: OpenAI-ChatGPT, Google-BARD

## Projects

### PROJECT1: MoneyGram International-MIA Chatbot - Finance Industry

#### Description:

MIA is MoneyGram International's Virtual Assistant Chatbot. Which is useful to assist both authenticated and unauthenticated users of MGI. All the kind of queries regarding transactions like status, withdraw and cancellation can be done with the help of this chatbot.

#### Responsibilities:

- Understand the requirements and contributing in the development of MIA based on assigned user stories.
- Participate in design discussion call, meetings. Raise concerns if required. Keep a track of all tasks and activities.

**Technology:** Python, Google Cloud Services-CX-Dialogflow, Google Translation API, Vertex-AI.

### PROJECT2: Anti-Fraud System-National Bank Oman - IT Industry

#### Description:

Anti-Fraud System is a rule-based web application which is useful to detect fraudulent activities based on financial and non-financial events performed by end users (bank customers). Below listed AI models are integrated with the web application to enhance the rule-based prediction of the Anti-Fraud System.

- **Anti-Fraud System for Alert Generation:** Predictive model based on Artificial Neural Network using customer's data to generate rule-based alerts on customer's real-time events.
- **Anti-Fraud System for Case Generation Model:** Predictive model based on Artificial Neural Network using customer's event data and case analysis data to do binary classification on alert's case generation.
- **Anti-Fraud System-Anomaly Detection:** POC for Predictive unsupervised elliptical envelope machine learning model on customer's transactional data to detect fraudulent activity.

#### Responsibilities:

- Understand the requirements, Research on Approach Design, and development Architecture.
- Data Building and Processing, Statistical Analysis, EDA, Feature Engineering- Creation and Transformations
- Model Building and parameter tuning, Deployment.
- Participate in design discussion call, meetings frequently. Raise concerns if required. Keep a track of all tasks and activities.
- Apart from daily work, maintain tracker timelines, daily stand-up updates.

**Technology:** Python, EDA, Artificial Neural Network TensorFlow, Flask, NumPy, Pandas, Sklearn, MongoDB,

Pyinstaller, SVN, etc.

### **PROJECT3: Anti-Money Laundering - IT Industry**

#### **Description:**

- Anti-Money Laundering is a web application provided by Infracore technologies to help their clients to track all the illegal money transfer activities happening around. The 3 modules under AML -Customer Onboarding, VRV, SDN (Specially Designated Nationals) are used to track all forms of illegal activities.
- Predictive model based on machine learning using customer's transactional and non-transactional data from these four modules are used to provide scores on generated alerts to reduce false positive alerts from the modules.

#### **Responsibilities:**

- Understand the requirements. Data Building and Processing, Statistical Analysis, EDA, Feature Engineering- Creation and Transformations. Model Building and parameter tuning, Deployment.
- Participate in design discussion call, meetings frequently. Raise concerns if required. Keep a track of all tasks and activities.

**Technology:** Python, EDA, Random Forest Classifier, Flask, NumPy, Pandas, Sklearn, MySQL, Oracle, SQL server, Pyinstaller, SVN, etc.

### **PROJECT4: POC AI Models- GRC, Passport Verification - IT Industry**

#### **Description:**

- GRC stands for Governance, Risk and Compliance it is document with a set of processes and procedures to help organizations achieve business objectives, address uncertainty, and act with integrity. Natural Language Processing based AI model POC can help clients to extract the summary of GRC documents.
- Passport Verification POC model is part of the Anti-Fraud System which can help clients for passport verification on newly onboarded customers.

#### **Responsibilities:**

- Understand the requirements, Research on Approach Design, and development Architecture.
- Data Building and Processing, Statistical Analysis, EDA, Feature Engineering- Creation and Transformations
- Model Building and parameter tuning, Deployment.
- Participate in design discussion call, meetings frequently. Raise concerns if required. Keep a track of all tasks and activities.
- Apart from daily work, maintain tracker timelines, daily stand-up updates.

**Technology:** Python, EDA, Flask, PDF to Text Conversion, Text Data Extraction, Text Data Processing, ImageProcessing, Text Data Extraction, SVN etc.

### **PROJECT5: POC Models for Metric Calculation & Surface Classification - IT Industry (29 months)**

#### **Description:**

- Internal Proof of Concept of Machine Learning Regression Model for metric calculation of work data to

predict the automated performance insight of employee.

- Internal POC of Machine Learning Logistic Regression Model for Automated bifurcation of Map Road Surfaces into Linear and Nonlinear Classes.

### **Responsibilities:**

- Understand the requirements, Research on Approach Design, and development
- Data Building and Processing, Statistical Analysis, EDA, Feature Engineering- Creation and Transformations
- Model Building and parameter tuning, Deployment. Participate in design discussion call, meetings frequently. Raise concerns if required. Keep a track of all tasks and activities. Apart from daily work, maintain tracker timelines, daily stand-up updates.

**Technology:** Python, EDA, Linear Regression, Logistic Regression, Flask, GIT, JIRA, Service Now, Confluence etc.

## **PROJECT6: HD Map Content Creation - IT Industry (15 months)**

### **Description:**

- Map Content Creation (Agile Work frame) -Primary role is Coding of Road Features and Updating it into database of MAP in Real Time after validating it with true source data files. Also Creating various dashboards, Reports of Road Attributes on daily basis for various analysis.
- Quality Improvement through reduction of the defects- Finding Blockers/Gaps in data then applying some data preprocessing and finding corrective actions to increase the quality of MAP.

### **Responsibilities:**

- Understand the requirements, Achieving Daily Targets, Quality Checks, Reporting, Excel Analysis etc.
- Participate in design discussion call, meetings frequently. Raise concerns if required. Keep a track of all tasks and activities.
- Apart from daily work, maintain tracker timelines, daily stand-up updates.

**Technology:** Earthscape, Microsoft Excel, JIRA, Service Now, Confluence etc.

## **Awards**

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- IBM Certified Data Science and AI Certification from Learnbay institute Bangalore.
- C/C++/Java certified from Royal InfoTech in 2016.
- Python certified from Quick-Xpert InfoTech in 2018.
- Rewarded as "Rising Star of the month" in HERE Workplace.
- Rewarded with "Spot Recognitions" in HERE Workplace.
- Technical Quiz Competition "Anveeksha" in K.J. Somaiya polytechnic.
- Participated in the Texas Instruments India Analog Maker Competition 2015 at VESIT