

ARCHIT KAILA

MACHINE LEARNING ENGINEER ♦ 1.5 YEAR OF EXPERIENCE ♦ B. TECH, CSE, NIIT UNIVERSITY

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INDUSTRY EXPERIENCE: Commodity, Manufacturing, FMCG, CPG/Retail, Supply Chain, Finance, Logistics

PROFESSIONAL EXPERIENCE

Data Scientist | Machine Learning Engineer

Thoucentric Technologies

January 2019 – Present

Bangalore, India

- International CPG Player: Minimised Procurement Costs by building an ML Engine that forecasted CBOT Commodity Prices (5Days/13Weeks/3Months Ahead) and helps in efficient procurement using multiple exogenous factors and Financial features(volatility, Bollinger bands), achieving better forecast accuracy in volatile commodities like Crude/Palm Oil, Soymeal
 - *Technologies/Skill Stack:* Python, Time Series Forecasting, NLP, Platform Dashboarding, Flask, Azure Cloud
- Leading Confectionary: Simplified Production Operations with ML Dashboard for “Predictive Quality” to recommend real time optimum settings for the best output quality of product by predicting 4 machine input properties, providing 20% improvement in successful QC checks of production batches
 - *Technologies/Skill Stack:* Python, Supervised Learning, Flask, Dash, Platform Dashboarding
- Image Analytics Asset: Built a platform that extracts the environment theme from provided image, detects, segments, localizes all “furniture” in image and recommends furniture items with similar design features, textures, and colours
 - *Technologies/Skill Stack:* Deep Learning, Python, OpenCV, Flask, Convolutional Neural Networks, TensorFlow, Pillow
- Fortune 500 FMCG Company: Intuition and Heuristic Engine to deliver optimized production plan in minutes using an ML based platform solving the problem of manual human based production planning prone to human bias and error, as it is difficult to analyse and plan based on numerous constraints
 - *Technologies/Skill Stack:* Python, Flask, Platform Dashboarding

Founder & CTO

AzukArin Technologies

November 2017 – December 2018

New Delhi, India

- A company involved in business of manufacturing & developing products and providing services in fields of SMART Electronics including smart refrigerators and enabled products for personal and commercial use by various modes and with use of AI & ML
- Smart Inventory Management System
 - A smart hardware & software solution that tells you what is present inside your refrigerator (like Apples), in what quantity (like 5Kgs) and what is the status of it (like fresh/rotten) directly on mobile screen
 - Check it out here
https://drive.google.com/file/d/1PlmL_Y8a6xzlDg5Q7RhTRxACV_SRkI/view

ACHIEVEMENTS

Winner, iStart Knowledge Student Startup Exposure Program

Department of Information Technology & Communication, Government of Rajasthan

August 2018 – September 2018

San Francisco, California

- Selected among top 100 students from all colleges & universities across Rajasthan for Student Start-up Exposure Program out of total 18,000 students
- Visited SILICON VALLEY, San Francisco, California for a 15-day long exposure trip to learn & gain practical knowledge about start-up ecosystem

Filed Patent

Kaila, Archit. 2018. Smart Inventory Management System. Indian Patent Application 201811020865 filed June 2018. Patent Pending

AREA OF EXPERTISE

- Machine Learning & Deep Learning
- AI/ML Product Development
- Building ML Platforms & Dashboarding
- Time Series Modelling/Forecasting
- Computer Vision – Segmentation/Classification/Object Detection
- Predictive Maintenance/Quality
- Commodity Price Forecasting

SKILLS

- Python3, C/C++
- Data Wrangling / EDA
- Data Modelling / Visualizing
- MongoDB
- Deep Learning (DNN, CNN)
- TensorFlow, pandas, sk-learn, statsmodel
- Ensemble – Bagging/Boosting (XGBoost, GBM, Adaboost)
- Multivariate Regression/Classification (SVM/Random Forest/KNN)
- Hyperparameter Tuning, Model Selection
- Platform Dashboarding (Dash, Flask)
- Image Processing (OpenCV)

CERTIFICATIONS

- Machine Learning Foundation Nanodegree Program (by Udacity)
- Deep Learning Specialization (5 Courses) (by deeplearning.ai)
- Python for Everybody (by University of Michigan, Coursera)
- Android Application Development (by Apttron Solutions Pvt. Ltd.)

EDUCATION

B. TECH Computer Science and Engineering (Specialization: Data Science)

NIIT University, Neemrana

Graduate

CGPA: 9.12

CLASS XII CBSE

Springdales School, Pusa Road, New Delhi

Senior Secondary

Aggregate: 95%