K. Poornima

https://github.com/PoornimaKanasen
+971504641652 | poornimakanasen@gmail.com

Recently graduated as a Data Scientist, Passionate about Data Analysis, Machine Learning, Deep Learning, Natural Language Processing, AutoML, Time Series, Statistics, MySQL, and A Certified graduate member of Boards of Engineer, Malaysia(BEM).

CAREER ASPIRATION

As an aspiring data scientist, I intend to capitalize on my technical and analytical skills in data analysis, machine learning, and statistical modeling to provide valuable insights/ solve complex problems for organizations. I am dedicated to staying up-to-date with the latest industry trends and technologies, and to continuously improve my skills through learning and hands-on experience. I aim to be a trusted advisor to business stakeholders by presenting clear and actionable recommendations based on data-driven insights. I strive to approach each project with a scientific mindset, including identifying hypotheses, gathering and cleaning data, exploring and visualizing data, building and tuning models, and communicating results effectively.

EDUCATION

Data Scientist Master's Program by IBM in collaboration with Simplilearn

Completed: October 2022

Bachelor's in Mechanical Engineering (BME) Hons.

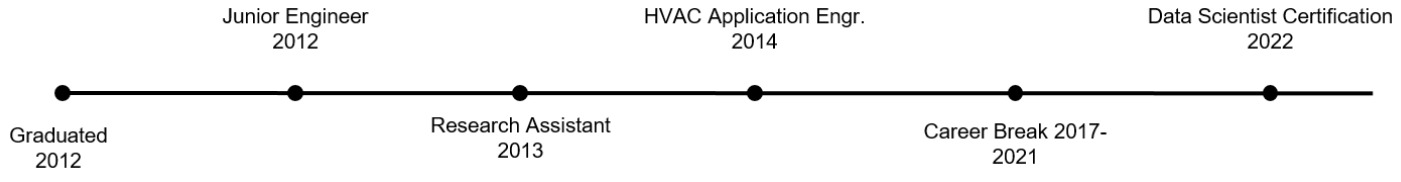
Graduated: May 2012, Overall GPA: 3.59

Thesis: Design analysis and optimization of a plastic injection mould cooling system

INTERNSHIP(S) / CERTIFICATIONS/ DATA SCIENCE HACKATHON(S)

Virtual Internship(s)	KPMG – Data Analytics Consulting Virtual Internship ***(Completed on February 1st, 2023)*** Accenture – Data Analytics and Visualization ***(Completed on February 28th,2023)***
Certifications	Python for Data Science, Data Science with Python, Machine Learning, Tableau Training, Data Science Capstone, MySQL Training, Deep Learning with TensorFlow and Keras ***(Completed in 2022 (May – November)***
Data Science Hackathon (s)	SLackhaton (Organized by Simplilearn), selected as one of the final 5 submissions,Topic: Payment Fraud Detection ***(Presented : December 2022)***

TIMELINE



TECHNICAL SKILLS

Programming language(s)	Python
Machine Learning	Statistics, Supervised, Unsupervised, Classifier, Prediction, Trees & Classification, Boosting, Naïve Bayes Classifiers, KNN, Logistic Regression, Linear Regression, Perceptron, Hierarchical Clustering, K-Means Clustering, Neural Networks, Deep Learning, AutoML (Tpot)
Text Mining/NLP	Web Scrapping, Classify Text, Using NLTK, Market Based Analysis, Association Rules, Support Vector Machines, Corpus, Text Analysis
Visualization	Data Exploration in Python, Uni, Bi and Multivariate Viz, Histogram & Pie (Uni), Tree & Tree Map, Scatter plot (Bi), Line Charts (Bi), Tableau
Data Ingestion & Data Munging	Acquiring Data (Data Discovery), Transformation and Enrichment, Principal Component Analysis (Feature Reduction Technique), Feature Extraction, Handling Missing Values, Data Scrubbing, Normalization
Database(s)	MySQL (write and execute SQL queries, join tables, filter and sort data, and aggregate functions)

PROJECTS

Github	*Slackathon- Payment Fraud Detection* *https://github.com/PoornimaKanasen/SLackathon-Payment-Fraud-Detection-Cygnus01* *KPMG Virtual Internship* *https://github.com/PoornimaKanasen/KPMG_Virtual_Internship* *Accenture Virtual Internship* *https://github.com/PoornimaKanasen/Accenture_Virtual_Internship* *Capstone Project- Predicting whether patients have diabetes or not?* *https://github.com/PoornimaKanasen/Capstone_project_DiabetesOrNot* *Data Science Projects (Basic EDA + ML)* *https://github.com/PoornimaKanasen/DataScience_Projects-Basic-EDA-and-ML-* *Machine Learning Projects* *https://github.com/PoornimaKanasen/MachineLearning_Projects* *Deep Learning- Tensorflow* *https://github.com/PoornimaKanasen/DeepLearning* *MySQL Project – ScienceQTech Employee Performance Mapping* *https://github.com/PoornimaKanasen/MySQL_Project*
Tableau	*https://public.tableau.com/app/profile/poornima.kanasen*

PREVIOUS WORK EXPERIENCE

Applications Engineer
AHR Global Trading L.L.C [a division of Best Pro Trading] (Dubai, UAE), ***Jan 2014 – August 2016***
AHR Global is an HVAC trading company which deals with Chillers, Packaged Units, Airside equipment (Air

Handling Units and Fan Coil Units). It is one of the distributors of Dunham-Bush in UAE.
Project(s): EPC CPF Phase 2 Gazprom Project @ Badra Oilfield and others.

- Analyzed 50+ technical drawings and recommended the most practical HVAC selection for each project.
- Conducted research on 5+ competing brands and their product features, resulting better pricing.
- Developed a comprehensive database of 30+ HVAC equipment in terms of pricing and technical details, resulting in increased efficiency in identifying the right equipment for each project.
- Ensured compliance with project specifications, resulting in a 100% acceptance rate of deliverables by clients.

Research Assistant
Universiti Tenaga Nasional (UNITEN – Malaysia), ***Jan 2013 – Dec 2013***

- Developed and published a comprehensive research report on the latest trends and best practices in plastic injection molding, which received positive feedback from industry experts and peers.
- Collaborated with the lecturer to identify and compile a list of 50+ potential research subjects that aligned with the study objectives.
- Successfully supervised and facilitated a team of 5 undergraduate students in Autodesk Moldflow software who worked on the research project, ensuring that they met all project milestones and deadlines.

Junior Engineer
Mattel Development & Tooling (MDT- Malaysia), ***June 2012 - Dec 2012***
MDT serves as an exclusive development center and a tool manufacturer by employing advance technology in developing tooling aids for fabricating Plastic Moulds and Die Cast Dies for 1/64 Scale Cars.

- Identified defects and modified plastic parts for assembly
- Assisted on 3D scanning of a model in order to convert it into STL format for turn over package which does not have the particular e-file to work with.
- Handled failure mode and effect analysis (FMEA) on model cars.
- Monitored performance tests such as rolling straightness, floating barbell, rolling speed and distance, drop test, pull test (10 lb & till it fails) and crush test.

PUBLICATIONS

Conference papers:

- Design analysis on multi-cavity plastic injection moulding -*National Graduate Conference (NatGrad)2012.*
- Optimization of Injection Moulding Process Parameters Using Autodesk Moldflow Insight- *International Conference on Advancement in Polymeric Materials APM-2013 (CIPET, India).*

Journal:

- Cooling Channel Design for Multi-Cavity Plastic Injection Moulds- *International Journal of Science and Research (IJSR) Volume 2 Issue 5 2013, India (Online ISSN: 2319-7064).*

OTHER DETAILS

Languages known **:** English, Bahasa Melayu and Tamil
Nationality **:** Malaysian
Current Location : Abu Dhabi, UAE.
Visa Status : Dependent Visa