

Dawood Abbas Abdul Malik

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EDUCATION

New York University, NYC, NY, USA

Master of Science (MS) in Data Science

Courses: Introduction to Data Science, Optimization and Computational Linear Algebra, Probability and Statistics for Data Science

GPA : N/A

Sep. 2020 - May 2022

National Institute of Technology, Trichy, Trichy, India

Bachelor of Technology (B.Tech.) in Electrical and Electronics Engineering

Courses: Data Structures and Algorithms, Pattern Recognition, Artificial Neural Networks, Basics of Programming

GPA: 8.00/10.00

Aug. 2014 - May 2018

PROFESSIONAL EXPERIENCE

Fidelity Investments, Chennai, India

Data Engineer

Jul 2018 – Sep 2020

- Developed python scripts for processing and reporting 74TB of compressed data about the assets and transactions of over 25 million customers in the AWS cloud
- Migrated the data processing pipeline from traditional oracle databases to AWS and Snowflake cloud services thereby increasing the data volume handling capacity by 3 times and increasing the efficiency by 20%
- Developed prediction and classification models to gain impactful insights useful for business from the vast customer data
- Completed LEAP - advanced training program in databases, machine learning, data visualisation and analytics through hands-on live projects

Touch2Success, Chennai, India

Software Engineering Intern

May 2017 - Jul. 2017

- Built a microservice using Flask to digitise any restaurant menu which saved over 60 hours of manual work per week
- Built a food suggestion bot by transcribing telephonic customer orders using Python for over 50 restaurants which aided in taking orders and increased the employee productivity by 60%
- Analysed and built various prototypes of marketing strategies for promoting restaurants using Facebook API

Zoho Corporation, Chennai, India

Machine Learning Intern

May 2016 - Jul. 2016 & Dec. 2016

- Extracted and analysed 8 years worth of revenue data from over 250 products in 200+ countries
- Built various revenue forecast models and found that Gradient Boosting Algorithm was 96% accurate and this automation reduced 30 hours of manual work per week
- Built an android application for visualising the insights derived by the forecast model

RESEARCH AND PROJECTS

Predicting Optimal Site Using Location Analytics, Coursera

IBM Data Science Professional Certificate [\[link\]](#)

Sept. 2019 - Nov. 2019

- Capstone Project : Analysed land prices and venue data of Tokyo metropolis to predict ideal location for a new business

Fuzzy Logic Controller Design, NIT Trichy, India

Research Assistant under the guidance of Dr. Sishaj P Simon

Jan. 2018 - May. 2018

- Built a program to simulate a controller for the output voltage of an inverter with varying input conditions
- Analysed the output data and developed a python script to derive the fuzzy logic for the controller which achieved a 20% reduction in settling time compared to other controllers

Textbot, NIT Trichy, India

Finalist of Pragyans's SANGAM 2016 (Annual techno-management festival of NIT Trichy)

Aug. 2015 - Feb. 2016

- Built a prototype robot with two degrees of freedom to automate record maintenance systems, like the library in college
- Developed an android app to send commands and a hybrid of RFID sensor and image processing system to locate files
- Linked the location and availability of files to create an IoT environment

SKILLS

Programming Languages: C, C++, Python, R, PL/SQL, ReactJS, Shell, Matlab

Software and Tools: AWS - EMR, S3, Snowflake, Oracle, Spark, Hadoop, Hive, OpenCV, Flask, Scikit-learn, Android Studio

ACHIEVEMENTS

- Co-Founder & Head of Marketing at AIESEC, NIT Trichy**
 - Initiated the AIESEC's Outgoing Global Volunteer (OGV) program through which 14 volunteers were sent to 7 countries to work on social projects (related to the UN's Sustainable Development Goals)
 - Led a team of 10 to associate with leading market brands for promoting AIESEC in colleges around Trichy .
- Placed in the top 15 teams among 500 participating teams across the country in the e-Yantra Robotics Competition
- Organised various workshops as part of CURRENTS, the annual Technical Symposium of EEE department of NIT Trichy