Vikrant Patil

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EDUCATION

The University of Texas at Dallas **Aug 2017 – May 2019**
M.S. Business Analytics
Dean's Excellence Scholarship

University of Pune, Pune, India **June 2013 – June 2017**
Bachelor of Engineering (B.E.), Computer Science and Engineering ***GPA – 3.5***

TECHNICAL SKILLS

Programming Languages:	Python, SQL, R Programming, SAS, C/C++, HTML5, CSS3, Bootstrap
Databases:	MySQL, MongoDB, SQL Server
Tools:	SAP (Analysis for Excel, OLAP), MS Access, MS Visio, SAP Hana, Tableau, SAP Lumira, MS Excel, RStudio
Operating Systems:	Linux, Windows

ACADEMIC PROJECTS

Predictive Analytics Using SAS **Jan 2018 – Present**

- Led a group of 5 to analyze and extract insights from a real-world retail dataset using SAS
- Performed data cleaning and preprocessing, built predictive marketing models and segmented data using k-means clustering
- Implemented Market Basket Analysis, Elasticity model and predicted financial implications of the suggested marketing strategies

E-commerce Dataset **Jan 2018 – Feb 2018**

- Performed data cleaning, data preprocessing and exploratory analysis on a real-world dataset from UCI Machine Learning Repository and extracted insights using R
- Implemented Market Basket Analysis using Apriori algorithm to predict frequent itemset and item-based recommendation algorithm based on a customer's past purchasing pattern and visualized data in R using ggplot2 library

New York City Taxi and Limousine Trip Dataset **Jan 2018 – Feb 2018**

- Performed exploratory data analysis and data manipulation tasks on NYC Taxi dataset containing 1.49 million observations using R
- Implemented Random Forest to classify trips based on the tip amount and visualized data in R using ggplot2 library

Data Modelling, Reporting and Visualization **Aug 2017 – Dec 2017**

- Analyzed multidimensional data using SAP BO Analysis for Excel and Bex Query Analyzer
- Performed ETL operations on raw data, created Infocubes in SAP Netweaver BI and developed dimensional, analytical and calculation views for granular-level data and summarized multidimensional data using SAP HANA
- Visualized data using different views in SAP Lumira, Design Studio and Tableau

Retail Store Database **Aug 2017 – Dec 2017**

- Conceptualized and developed a data model and database for a retail store using MS Access
- Developed data input and data manipulation screen forms to populate various attributes of the database
- Generated reports with the help of sales, revenue and feedback data from the database

Object Detection and Following using NVIDIA Jetson TK1 **June 2016 – May 2017**

- Developed and programmed a robot which could be driven autonomously or manually, to detect and follow specific objects
- Designed an Android Application with a video interface to control the robot
- Created a system which implemented onboard processing of real-time video stream along with object detection and following which reduced the communication overhead and the time delay
- Implemented an algorithm wherein, a HOG descriptor was trained using positive and negative data values which were fed to the algorithm to make the decision to recognize the object

Internship Portal for Student Applications (InternNet) **June 2015 – Dec 2015**

- Designed a website which allowed students to create their profiles, search and apply for internships based on their field of education, location and preferred duration of work and enabled recruiters to upload, edit and delete their posted internships
- Created a relational database (MySQL) which stored the information of the students and the recruiters

ACCOMPLISHMENTS

- **On Board Real-Time Object Tracking System using All-terrain Mobile Robot -** Patent filed on 18th August 2017 in Patent Office of India (Patent Status: Pending)
- **Object Tracking Bot using On-board Jetson TK1: An Approach to Reduce Communication Overhead and Time Delay -** Research Paper Accepted in IEEE Xplore

ADDITIONAL INFORMATION

Eligibility: Eligible to work in the U.S. for internships and for full-time employment without sponsorship for 36 months.