KARAN KATHAYAT

148 Strathmore Road, Boston, MA 02135 | (857)-445-7469 | kathayat.k@husky.neu.edu

EDUCATION

NORTHEASTERN UNIVERSITY | BOSTON, MA   Dec 2019
Master of Science in Information Systems
Relevant Courses: Data Warehousing and Business Intelligence, Advances in Data Sciences, Data Structures and Algorithms

UNIVERSITY OF MUMBAI | MUMBAI, INDIA   May 2016
Bachelor of Engineering in Computer Engineering

TECHNICAL SKILLS

- Languages and Web Technologies: SQL, Java, Python, HTML, CSS, JavaScript, Bootstrap, PHP, Django
- Databases: MS SQL Server, MySQL, Oracle (PL/SQL)
- Data Integration and Visualization Tools: QlikView, QlikSense, SSIS, Tableau, Alteryx, PowerBI
- Miscellaneous: MS Excel, MS PowerPoint, MS Word, Git

PROFESSIONAL EXPERIENCE

BUSINESS INTELLIGENCE DEVELOPER | GMO LLC (Boston, MA)   Jan 2019- Jul 2019
- Performed ETL process and Data modelling on reporting and financial data and stored them in data warehouse.
- Evaluated client transactions to generate insights on opportunities, risks, prospect clients and transaction costs.
- Designed and developed dashboards, evaluated KPIs and other performance indicators for stakeholders.
- Collaborated with business and power users to plan and define dashboard goals, objectives and requirements.
- Generated weekly and quarterly reports using Qlik NPrinting and ensured quick turnaround time for data reload failures by automating the process of email notifications.

SOFTWARE ENGINEER | LOCOBUDDY MOBILE TECHNOLOGIES PVT LTD (Mumbai, India)   Oct 2016- Apr 2017
- Minimized user input errors and security vulnerabilities by performing form validation on company's existing website.
- Increased page visits by 17% in a month by implementing SEO practices using catchy keywords.
- Managed, analyzed and prepared reports of sports inventory for a local soccer tournament of 850 players.

ACADEMIC PROJECTS

BETTING DATABASE MANAGEMENT SYSTEM | NORTHEASTERN UNIVERSITY   Oct 2019- Dec 2020
- Created Oracle PL/SQL stored procedures, cursors, triggers to retrieve data dynamically based on user's input.
- Assigned user roles for CDB, PDB and created views to encapsulate sensitive data and to hide complex queries.
- Improved performance of retrieval of sensitive data by indexing the database and eliminating full table scan.

DATA WAREHOUSING & BUSINESS INTELLIGENCE | NORTHEASTERN UNIVERSITY   Oct 2019- Dec 2019
- Performed ETL process to integrate data from database, flat file and cloud sources and store them in warehouses.
- Illustrated insights using PowerBI and Tableau, evaluated and compared the data load time, performance of both tools with large data warehouses and some other features like geomaps, connection with other data sources etc.

UFC FIGHT ANALYSIS AND PREDICTION | NORTHEASTERN UNIVERSITY   Oct 2019- Dec 2019
- Performed Data Cleaning and Exploratory Data Analysis of UFC fight dataset from www.kaggle.com using Python.
- Identified key features in dataset and correlation of elements to target result to maximize algorithm efficiency.
- Implemented machine learning classification algorithms like Logistic Regression, Random Forest Classifier, Decision Trees etc on the datasets to predict outcome of a UFC fight and achieved maximum 83% accuracy.

HOMELESS ASSISTANCE MOBILE APP | NORTHEASTERN UNIVERSITY   Oct 2018- Dec 2018
- Modelled and developed database for a mobile application to aid homeless people with emergency supplies.
- Incorporated deep learning-based image analysis for facial recognition using AWS Amazon Rekognition to recognize the needy and parsed data in JSON format to store facial features in MySQL database tables.

PERSONAL PROJECTS

REAL TIME STOCK MARKET ANALYSIS   Feb 2020 – present
- Scraped real time stock market data in Python using alpha-vantage package and analyzed the data frame.
- Automated the process of notifying user for specified percentage change to stock value.