



Personal Website

KARTHIK CHEVURU



Tableau Public

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EDUCATION

Northeastern University

Candidate for Master of Science in Data Analytics Engineering

Relevant Courses: Data Mining, Database Management System, Data Visualization, Unsupervised Learning

Boston, MA

Sep 2019 – Aug 2021

SRM University

Bachelor's in computer science

Relevant Courses: object-oriented programming (OOPS), Operating Systems (Linux and Unix), DBMS

Chennai, India

Jun 2014 - May 2018

TECHNICAL SKILLS

Languages- R, Python, SQL, JavaScript, HTML, CSS, Java

Frameworks & Tools - React.js, R shiny, NumPy, Pandas, Scikit Learn, TensorFlow, Hadoop, Django, Excel, Git, Spark

Databases- Mongo DB, MySQL

Visualization Tools- Tableau, Power BI

Statistical Testing- A/B testing, Hypothesis Testing, Chi-square test, F-test, t-test, Optimization

Machine Learning- Linear Regression, Logistic Regression, Decision trees, Support Vector Machines, Convolutional Neural Networks, Clustering.

WORK EXPERIENCE

Staples, Inc.

Industrial Engineer (software) Co-op | Automation and Robotics

Framingham, MA

Feb 2021 – Present

- Built **python** script to automate robotics logs file compression and transportation of compressed files from windows server to the network server.
- Accelerated data reporting process by building custom reporting web page with **React.js**, **Redux** that uses **Rest API** for fetching data, **Flask** for backend.

Current working projects:

- Data migration from **Teradata** to **snowflake**.

Thinkster Math

Data Analyst Intern

Bangalore, India

Dec 2018 - May 2019

- Analyzed consumer data to identify issues that impact satisfaction levels of service and provided insights.
- Created custom **SQL queries**, and Python **script** procedures to ingest, manipulate, and cleanse data to answer complex business questions for Stakeholders.
- Increased user interactions by 17% within 4-month intervals by **A/B testing** with customized content.
- Built **ETL** scripts to transfer data from multiple transactional sources to **AWS redshift** using Informatica pro.
- Designed **KPI Dashboards** in **Tableau** for the business unit to highlight key metrics that are impacting the business.

South Central Railway

Database Management trainee

Warangal, India

Jun 2017 - Jul 2017

- Structured complex **SQL** reports to audit **5 million** daily passengers traveling in railways.
- Optimized existing **SQL** queries to process **27%** faster than previous queries.

ACADAMIC PROJECTS

Dogecoin support and resistance notification bot

- Built a python bot that analyzes sentiment analysis for dogecoin and support, resistance value of dogecoin using Robinhood API. Bot notifies the user when the crypto crosses support or resistance values.

Grocery recommendation system and clustering analysis (Python, PCA, K-Means, t-sne)

- Built Recommendation system using **SVD** and **cosine similarity** to recommend products based on previous purchase details.

Scania truck air pressure system failure detection (Python, Random forest classifier, XGBoost)

- Developed ML algorithm using **XGBoost** classifier to classify faulty air pressure system with an accuracy of 0.99 and recall rate of 0.87.

Retail Database Management System (MySQL, MongoDB, R)

- Structured and designed database using EER and UML diagram.
- Replicated database in **MongoDB** and analyzed the data through **Aggregate and MapReduce pipelines**.

USA taxi service analysis (R, ggplot2, Tableau)

- Built uber and Lyft taxi ride analysis dashboard using map box API and **tableau** to unveil important aspects like location importance, weather, time.
- Analyzed factors affecting taxi ride services to understand the customer perspective.

Image classification using convolutional neural networks (PyTorch, python)

- Developed algorithm using **PyTorch** to classify images on fashion mnist dataset into multiple categories (shirt, shoes, sneakers, bags).