

ARTHKUMAR PATEL

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[Portfolio](#) | [LinkedIn](#) | [Github](#)

EDUCATION

San Diego State University

Master of Science, Computer Science - GPA: 3.92/4.0

San Diego, California
January 2021 - December 2022

LDRP - Institute of Technology & Research

Bachelor of Engineering, Computer Engineering - GPA: 8.58/10.0

Gandhinagar, Gujarat, INDIA
August 2016 - June 2020

SKILLS

- **Programming Languages** - Python, R, C++, Java, JavaScript, Shell Scripting (Linux & UNIX)
- **ML & Deep Learning Frameworks** - Tensorflow, Scikit-learn, PyTorch, NLP
- **Data Analysis & Visualization** - Numpy, Pandas, Tableau, Microsoft PowerBI, Jupyter Notebook
- **Web Frameworks & Databases** – HTML5, CSS3, React.JS, REST APIs, SQL Server, MySQL, NoSQL - MongoDB
- **Other** – Github, AWS EMR, Docker, Apache Spark, BitBucket, PySpark, Statistics, Linear Algebra

WORK EXPERIENCE

RipeMetrics

| Python, SQL, Apache Spark, NLP, ML, Airflow, MongoDB, AWS S3, Sagemaker

San Diego, California

Data Science Intern

January 2022 - June 2022

- Performed Data Preprocessing & Deep Exploratory Analysis using Python, Pandas, Numpy and created effective and interactive data visualization charts and dashboards in Tableau. Structured data queries & data mining through MongoDB Database.
- Designed Recommendation and Predictive ML Models using Scikit-learn, PyTorch and Sagemaker. Built data pipelines and batch jobs using Python & Airflow. Collaborated in big data extraction & processing of real-time streaming data using Apache Spark, AWS S3 and SQL Server Integration Service (SSIS).

SDSU Global Campus

| Python, AWS Athena, Redshift, SQL Server, Tableau, Hadoop

San Diego, California

Data Analysis & Digital Marketing Assistant

July 2021 - January 2022

- Performed Data analysis using Python libraries, Database Monitoring & Management using SQL Server Relational Database on the digital marketing campaigns data & visualized that data using Tableau dashboards to compare different Key Performance Indicators (KPIs).
- Identified patterns, trends and relationships within data to find business insights. Implemented & supported reporting and analytics infrastructure for customers using AWS services like Athena and Redshift.

WaytoWeb Pvt. Ltd.

| Jenkins, REST APIs, Git, Linux, Agile, C++, JIRA, Docker, Kubernetes

Ahmedabad, Gujarat, INDIA

Software Engineer Intern

June 2019 - November 2019

- Identified and translated customer requirements into detailed architecture and designed system. Developed test scripts for automation and performed unit testing of REST APIs and other services using C++.
- Ensured Unit, Integration tests, Code reviews, Continuous Integration & Deployment (CI/CD) using Jenkins, Git, Linux and Agile Scrum practices for efficiency. Contributed to developing highly scalable end to end application using HTML5, CSS3 and JavaScript framework like React to process 70,000 real time requests per second.

PROJECTS

NBA Games & Players Data Analysis

| Python, Numpy, Pandas, Matplotlib, Data Analysis, IPython, Data Visualization

[Link](#)

- By using NBA data between 2003-2020, performed analysis and visualized some of the results using pandas, numpy, matplotlib, seaborn, plotly and interactive python functions. Created players and teams performance Comparison models, answered set of questions about players' performance and teams' performance by my analysis. Built Predictive models like Regression and Classification to predict performance.

Presidential Election Donations Analysis

| Python, Apache Spark, PySpark, AWS EC2, AWS S3, Numpy, Pandas

[Link](#)

- From the dataset of more than 30 million donations, I analyzed how much money each candidate received in 2020 US Election, also finding mean, median of donations for each candidate, unique contributors, monitoring small contributors and their impact on Presidential Campaigns. Implemented code locally using Spark Shell and on cloud using AWS EC2 which provided faster implementation of Dataframes using SparkSession from pyspark.sql

Campus Recruitment Application

| Android Studio, Firebase Database, Android SDK, Java

[Link](#)

- Campus Recruitment System for helping the companies to get the best candidate and directly come in contact with the student, in the same way student get to know about the jobs and the companies directly. It provides transparent communication between company hiring candidates and job seeking students.

CERTIFICATIONS

- Google Data Analytics Specialization – By Google and Coursera
- IBM Data Science Specialization – By IBM and Coursera
- Stanford University ML Certification – By Stanford University and Coursera
- Udemy Tableau Certification – By Udemy