

# EKTA SHARMA

Current Location – Austin, TX

Email id: [ekta.sharma3@gmail.com](mailto:ekta.sharma3@gmail.com)

Phone – (415) 937 4164

<https://github.com/esharma3>

<https://www.linkedin.com/in/ektasharma3/>

---

## Summary of Skills:

A creative and experienced software professional and an aspiring data scientist with skills from python programming, machine learning, statistical analysis, database management, data visualization and reporting, passionate about solving real-life problems with data-driven solutions, actively looking for new challenges and open to new opportunities.

I will soon complete my Data Science and Analytics Certification from University of Texas in Austin where I have developed strong programming and data science skills that can tackle business problems in any domain. I have over a decade of experience in consulting doing software development and analysis and I hold a Master's and Bachelor's degree in Computer Applications.



## Technical Skillset:

**Python Programming & More** - Python 3, Numpy, Pandas, Matplotlib, Plotly, Bokeh, API Interactions, Web-Scrapping(Beautiful Soup), Selenium, Splinter, SQL, SQLAlchemy, Flask, Flask-SQLAlchemy, Social Media Mining

**Front-End Web Visualization** – HTML, CSS, Bootstrap, Dashboarding, JavaScript Charting, D3.js, Geomapping with Leaflet.js

**Machine Learning and Statistics** - Machine Learning Algorithms, Statistics for Machine Learning, Seaborn, Scikit Learn, Statsmodel

**Databases** – MySQL, Oracle, MongoDB (PyMongo), SQLite

**Business Intelligence Software** – Tableau, PowerBI

**Advanced Topics** – Natural Language Processing, Big Data Analytics with Hadoop

**Other Skills** - Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Access, Quality Center, Software Design Principles, Software Design Life Cycle Models, Basic Design Patterns, C, C++, Java



## Education and Certifications:

**Data Analytics and Visualization Certification** – University of Texas, Austin, November 2019 – May 2020

**Master of Computer Applications (MCA)**, Bharati Vidyapeeth University, India 2003-2006

**Bachelor of Computer Applications (BCA)**, CCS University, India 2000-2003

**National Mathematics Olympiad Certificate** - 1997, India

**National Mathematics Olympiad Certificate - 1998, India**

**Udemy Certifications:**

Complete Python Bootcamp

Python for Data Science and Machine Learning Bootcamp

SQL - MySQL for Data Analytics and Business Intelligence

Microsoft Excel Beginners to Advanced, Data Analysis and VBA



**Work Experience**

**Wells Fargo, USA**

Four long term contracts between May 2010 to September 2019

Group: Hogan Customer Information System (CIS)

Role: Customer Information System Analyst

**Computer Sciences Corporation, India**

June 2007 – July 2009

Group: Hogan Banking Relationship and Profitability System (RPS – RPM & CIS) New Product Release

Role: Engineer Application Development

**Kanbay Softwares (Cappgemini), India**

January 2006 – June 2007

Group: Vision Plus Development and Production Support

Role: Associate Consultant – Mainframe Development



**Projects**

Click on the project titles to see more on Github.

**Indeed Data Jobs Market analysis (2019)**

The purpose of this project is to analyze the US job market for Data Jobs to answer the following questions. The scope of this project is limited to top 10 US Tech(IT) cities.

- Which US city has more data jobs?
- Citywise which companies are posting more data jobs?
- Which companies (combined for all 10 cities) are posting relatively higher number of data jobs?
- What is the number of data jobs getting posted for various job titles like data analyst, data scientist, data engineer, BI, AI, Machine Learning etc.? Are there more jobs for one job title over the other? Which data job title has been posted the most and which has been posted the least?
- What is the salary range for data jobs wages? How does it change based on the city?
- Is there a correlation between data job salary and company rating?
- Is there a correlation between data job salary and job's minimum experience requirement?
- Where does the data wages stand in comparison to city and state median wages?
- How well are the data wages doing in comparison to the apartment rent based on the city?

- How well are the data wages doing in comparison to the median house prices based on the city?
- What is the ratio of number of data jobs posted to per capita crime rate based on the city?

### **Austin Air Quality Analysis and Prediction**

The purpose of this project is to analyze the impact of climate change on air quality for the city of Austin and create a machine learning model that can establish a correlation between the level of air pollutants like Ozone and NO2 and the climate parameters by using regression models and null hypothesis.

### **Boston Housing Price Prediction**

Boston Housing Price Prediction using Linear and Polynomial Regression using Kaggle Dataset. The project implements univariate and multivariate linear and polynomial regression models.

### **Web Visualization Dashboard for Latitude vs Climate Analysis**

The purpose of this project is to analyze the relation between latitude and climate parameters for 500+ cities across the world of varying distance from the equator and creating a visualization dashboard to display the findings.

### **Black Jack**

Simple game of Black Jack implemented using Python Object Oriented Programming concepts.