

**Research Interest:**

Data Visualization, Data Analyzing, Spatial Trajectory Data Mining

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**Thesis:**

Currently working on Thesis to Analyze the AIS Vessels Traffic Data on Python

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**Education:****M.S in Computer Information System****July 2018**

University of Massachusetts Dartmouth

**M.S in Computer Information System**

St' Mary University of San Antonio Texas

**B.S in Computer Science Major Software Engineering****June 2013**

Shaheed Zulifkar Ali Bhutto Institute of Science and Technology – Karachi,

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**Skills:**

- Languages: C#, HTML, Asp.net MVC 4, JQuery, JavaScript, building SSRS Reports using stored procedures, R & Python Language libraries (Pandas, PySpark, numpy, parquet, scipy), JS Library (D3 version 3, 4) for Data Visualization
  - Database: SQL Server 2008, SQL Server 2012, MySQL
  - Tools: Microsoft Visual Studio 2012, Eclipse, Microsoft Office. SQL Reporting Server, R-studio, Anaconda
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**Professional Experience:**

- Currently working as an IT Assistant at Library University of Massachusetts Dartmouth
  - Worked as a tour guide at University of Massachusetts Dartmouth
  - 6 weeks Internship at Pakistan Telecommunication Limited, completed the Project, Developed the web application for their internal network to collect their data at one place and easy to query, language used (PHP and MySQL) and completed the Assignment of subletting.
  - Two year experience of Banking, as Software Developer. Worked on Microsoft Asp.net with MVC 4 Framework, and designing of Databases, worked on stored procedures, views, and Designing of tables and tools using Visual Studio 2013 and Microsoft SQL Server 2012 with C#, ADO.Net, Entity Framework and JQuery, worked on a big project with so many expert developers, having a pleasant experience of Learning and implementing knowledge.
  - Directed and build the whole environment for the Reporting service on SQL and provided the training to the other office employees, arranged the events and participated in more other development events.
  - Deigned different reports using SSRS (SQL Reporting Server using Stored Procedures Database, by designing complex queries to fetch large amount of data, grouping ordering and designed High level reports for Banking.
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**Projects:**

- **Data Visualization:** Worked on the New York City Bikes data taken from their NewYorkCityBikes web page. Visualized and analyzed some important trends and fact about the Bike rides.  
URL: <http://bl.ocks.org/raviladhar/raw/ea22e3a4b00138aafb6204c3666d31db/>
- **ERP System:** Designed an ERP based system, "Home and Garden online shopping system", used the PHP language and the database management system as MS-SQL server at St. Mary's university of San Antonio TX.
- **Mr. Blue Drone:** Designed Android Bluetooth Car, which works with android smart phone, Bluetooth shield and 12V relay Circuits with Arduino Programming,

**Trainings:**

- Taken Asp.net MVC 4 Training of 6 Days and Completed with certain Basic tasks of Asp.net
- Taken Two Days Project Management (Agile Training), and attended Ethical Hacking or Security Training