

# Tejveer Singh

LinkedIn: <https://www.linkedin.com/in/tejveers>

Mobile: +1 (562) 338-9340

GitHub: <https://github.com/tskhurana>

Email: [tejveer.khurana@gmail.com](mailto:tejveer.khurana@gmail.com)

## Education

- May 2019 California State University Long Beach, California – **Master of Science in Computer Science**  
May 2013 RTM Nagpur University – Maharashtra, India – **Bachelor of Engineering in Computer Science**

## Work Experience

- Jun 2018 - **Student Assistant Data Scientist**  
Present *California State University, Long Beach - The Office of Institutional Research and Analytics (IRA)*

- Designing, and implementing a Proof of Concept Sequential Predictive models:
  - Predicting the likelihood of a student graduating in 4, 4.5, 5, 5.5 and 6 years at different entry times
  - Using traditional machine learning algorithms, Random Forest, XGboost and Deep Learning
- Architected, developed, and deployed a Web Application to Web Scrape large amount of data:
  - Used Flask Framework and various Python libraries encompassing Selenium, BeautifulSoup, Pandas
  - Automated Web scraping and uploaded batch-extracted data into a Production Oracle database
  - Increased productivity by 90% due to transitioning from semi-manual to 100% automated process
- Designed and published numerous interactive Tableau Dashboards:
  - Utilized 3-clicks, just-in-time and dynamic deployment
  - Co-Introduced and championed an Organic Clean Sheet Design Concept
  - Implemented Row-Level-Security to comply State and Federal regulations, privacy and security
- Performed DBA work including data/database/architecture analysis and design:
  - Developed, fine-tuned and documented numerous ETL SQL and PL/SQL scripts for tabular and non-tabular data
  - Imported semi-structured files into IRA Data Warehouse and automated this process for future data
  - Designed and created standardized Oracle tables, verified and ready for reporting and analytics

- Feb 2014 - **Senior Systems Engineer**  
Aug 2018 *Infosys Limited – Pune, India*

**Projects:** Work Flow Tool (WFT), Enquiry Management System (EMS), Final Billing Tool (FBT)

- Implemented SDLC phases for robust Web & desktop applications for a major UK based Telecom Company
  - Gathered requirements, wrote user stories, developed, tested and maintained applications
  - Performed and led 2 major EMS upgrades successfully and effectively on time without any technical issues
  - Increased productivity & reduced numerous man hours through automating various modules from semi-manual ETL process to single click application
  - Front-end: HTML, CSS, JavaScript; Back-end: C#, ADO.Net, Entity Framework, LINQ; Database: PL/SQL, T-SQL
  - Developed, optimized and documented hundreds of stored procedures.
- Automated the loading of flat files directly from mailbox to Database using windows service
- Designed and created an advanced single SQL procedure (1000+ lines of code) to generate 6 crucial reports sent directly to client's mailbox

## Academic & Personal Project

- Mar 2019 • **Perfume Mate:** (Python & MongoDB) A perfume recommendation system. (On-going)  
Nov 2018 • **CSULB-PD Safe Zone:** (Java & MySQL) Implemented a simple spatial database and accessing it programmatically using JDBC.  
Mar 2018 • **Mental Health Predictor:** A trained supervised learning model to measure attitudes towards mental health and frequency of mental health disorders in the tech workplace.
  - Python libraries: sklearn, scipy, seaborn, matplotlib, pandas, numpy

## Leadership and Awards

- 2015 & 2017 • Awarded TWICE "Insta Award" by Infosys Limited  
2013 • Organized a University Level Technical Fest with 10 major Events  
2010 – 2013 • Appointed once as President and twice as Secretary of the Computer Science Dept  
2008 • Ranked 1<sup>st</sup> in state by the International Informatics Olympiad

## Technical Skills

- Language: SQL, PL/SQL, Python, C#  
Python Libraries: Pandas, NumPy, Matplotlib, Seaborn, Pandas, SciPy, Sklearn  
Platform & Tools: Jupyter Notebook, MS Visual Studio, ADO.Net, Tableau, MS Excel, Word, PowerPoint  
Database & Tool: SQL Server, Oracle, MySQL, Spatial Database, NoSQL, MongoDB, Cassandra  
Version Control: TFS, Git, Bitbucket  
Basics: XML, Java, JDBC, JavaScript, JSON, LINQ, Entity Framework, AWS, CSS, Angular JS, MVC, IIS, NodeJS