

# Jeshwanth Singh

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## EDUCATION

### San Francisco State University

*Bachelor of Science in Computer Science, Minor in Mathematics*

San Francisco, CA

Aug. 2021 – May 2025

### Ramaiah Polytechnic

*Diploma in Computer Science and Engineering*

Bengaluru, India

Jun. 2017 – Aug. 2021

## TECHNICAL SKILLS

**Languages:** Python, R, HTML, CSS, C, C++, SQL, Java, PHP.

**Machine Learning:** Regression, Classification, Clustering.

**Data Visualisation:** Tableau, Power Bi.

**Developer Tools:** Linux, Git, Eclipse, PyCharm, IntelliJ, Selenium, Katalon Studio, Excel, Matlab, RStudio.

**Libraries:** Pandas, NumPy, Matplotlib, BeautifulSoup

**Certifications:** Google Data Analytics, Introduction to Statistics

## EXPERIENCE

### IT Technician

*San Francisco State University*

April 2022 – Present

*San Francisco, CA*

- Monitor the computer hardware and software for A.S. configuration standards and policies. Supported internal administrative team at 10G Networks with hardware and software issues.
- Install and perform minor repairs to hardware, software, or peripheral equipment, following design or installation specifications.

### Software Engineer Intern

*Blue Squares IT Services*

Dec. 2020 – Jan 2021

*Bengaluru, India*

- Worked closely with Software Testing and Life Cycle, Manual Testing for Web Application, Web Application Automation, Mobile Application Automation, and Mobile Application Manual Testing using Selenium.
- Search for bugs in upcoming software releases, helping the development team troubleshoot any issues.

## PROJECTS

### COVID-19 Data Exploration | *Python, SQL, Jupyter, Tableau*

Sept. 2022 – Oct. 2022

- Created a database in SQL to analyze Covid-19 data based on Covid deaths and Covid vaccination over the world.
- Used joins, Temp tables, aggregate functions, data types conversion, and created views to explore the global data on confirmed covid-19 deaths. Cleaned data with Data wrangling, web scraping using Python and Beautiful soup
- Prepared visualizations to compare the various sources and gain meaningful insights for analytics using tableau.

### Case study on Cyclistic bike-share analysis | *RStudio, SQL, Tableau*

Aug. 2022 – Sept. 2022

- Used the data to analyze rider's usage patterns for marketing membership conversion programs.
- Used R to combine all the data into one sheet, remove unused columns and export it to a CSV file.
- Prepared visualizations to compare the various sources and gain meaningful insights for analytics using tableau.

### Automated Aeroponics Farming and Monitoring using IoT | *Python, Things Speak*

June 2020 – June 2021

- Created a fully automated aeroponics and greenhouse system that will reduce the need for human interference to the maximum possible extent.
- Frontend: Angular web application running on Node.js. Uses Bootstrap's Grid System and the popular Chart.js library for displaying sensor readings.
- Backend: Bulk of processing done here. Hosts a Flask API server for sensor data/actuator commands and communicates with the Raspberry Pi via pySerial. Used PostgreSQL server for storing sensor readings.

## ACHIEVEMENTS

- Achieved Dean's List in my Freshman year.
- Merit Certificate for scoring the highest marks and standing First for the first-year Computer Science and Engineering (2017-2018).
- Certificate for IN-PLANT TRAINING on Software Testing Life Cycle (STLC).