

1701 Anacapa Street, Unit 13  
Santa Barbara, CA-93101

## CHERYL JOSE

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### EDUCATION

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**Los Angeles, CA** **California State University** **Sep 2015 – Aug 2018**

- M.S. in Computer Science, **GPA: 3.5**
- Graduate Coursework: Design and Analysis of Algorithms, Advanced Software Engineering, Advanced Information Security, Web Programming, Advanced Topics in Operating Systems, Advanced Topics in Data Science

**Nagpur, India** **Nagpur University** **Aug 2010 – May 2014**

- B.E. in Computer Engineering, **GPA: 3.3**

### EMPLOYMENT

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**Technical Solution Architect** **Impact Tech Inc.** **Apr 2018 – Present**

- Design solutions for clients to integrate with our platform
- Scope and develop integrations with other software platforms
- Create queries using MySQL, Impala and BigQuery to investigate client-facing issues and analyze fraud
- Write technical documentation for clients and internal teams
- Mentor new trainees and team members to acquire knowledge about our platform
- Work with product managers and development team to implement new software features
- Design automation tools which significantly reduce the time taken on repetitive tasks

### TECHNICAL EXPERIENCE

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#### Projects

- **Interactive Smart Map for Traffic Data Analytics and Visualization (2017)**  
Collected crowdsourced data provided by real-time sources and used this data to design and implement an interactive smart map for cyclists and runners of the city of Los Angeles, which demonstrated the safety and convenience of the routes used by them. [HTML, JavaScript, CSS, Python, GIS, GeoJSON, Leaflet]
- **LA Accident Forecast (2017)**  
Forecasted the number of accidents for seven neighborhoods in LA using a model with a low prediction error. [Python, Scikit-learn]
- **Red Hat Business Prediction (2017)**  
Developed a classification algorithm that accurately identifies which customers have the most potential business value for Red Hat. [Python]
- **Mission Mars (2016)**  
Programmed rovers to work on the surface of Mars, which included moving, scanning and collecting various samples such as soil, chemicals, and rocks. [Java sockets, Java, JSON]
- **Lease Management System (2015)**  
Designed a web application system used by apartment managers and potential tenants. [Java, JavaScript, JQuery, HTML, MySQL]

### ADDITIONAL EXPERIENCE AND AWARDS

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- Teaching Assistant: Data Science (2018)
- Member of Data Science Research Group, California State University, Los Angeles (2017-2018)

### Languages and Technologies

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- Python; Java; Shell; MySQL; Jupyter Notebook; Eclipse; GitHub; HTML; CSS; Excel
- JavaScript; JQuery; Scikit-learn; Pandas; Numpy; Matplotlib; Spark; GCP; BigQuery