

# Jeet Patel

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## PROFILE

Master of Science, Business Analytics candidate at UC Davis

**Specialties:** Data Visualization • Data Engineering • Machine Learning • Natural Language Processing • Computer Vision  
**Technologies:** SQL • Python • R • PySpark • PyTorch • Microstrategy • Google Cloud Platform • Bash • Git • PHP •  $\text{\LaTeX}$

## EDUCATION

### University of California, Davis

Master of Science, Business Analytics

📍 San Francisco, CA

📅 Expected Jun 2022

### Indian Institute of Technology, Kanpur

Bachelor of Technology, Computer Science & Engineering

📍 Kanpur, IND

📅 Jul 2013 - Jun 2017

## PROFESSIONAL EXPERIENCE

### Sears Holdings India

Senior Business Analyst

📍 Pune, IND

📅 Jul 2017 - Jul 2021

- Developed a **Question Answering** model using **Transformer** architectures like **Bert** and **Longformer** for assisting users on querying terms and conditions of Sears Home Services manual
- Worked on deduplicating & clustering **Sears Retail** and **Home Services** members for targeted marketing
- Implemented an **Autoencoder** model for anomaly detection, achieving an overlap of **58%** with the rule based model
- Scaled a rule-based anomaly detection model from Python to **Google BigQuery**, achieving a speed increase of **64x**, and integrated it to a **Tableau** dashboard to be used by business stakeholders
- Implemented a **MLP-LSTM** based neural network followed by a **Mixture Density Network** to forecast demand at a product level, achieving a relative improvement of **43.6%** from the existing forecasting method
- Developed **Python** and **Shell** scripts for infrastructural migration of project from **Teradata** to **Google BigQuery**
- Created **ETL** pipelines and **Microstrategy** dashboards to track key business KPI's related to issuance & redemption of offers

### Incredible Technologies Pvt. Ltd.

Summer Intern

📍 Mumbai, IND

📅 May 2016 - Jul 2016

- Conceptualized and developed an online bidding process facilitating the auction of two wheelers in a **B2B** setting
- Implemented the system on **Whatsapp Web**, using **Selenium Webdriver** for front-end deployment and maintained the back-end using **PostgreSQL**

## ADDITIONAL QUALIFICATIONS

### Projects

*Neural Diary*

Created compact visual stories with narrative descriptions from a video

*Sentiment Analysis*

Identified and assigned polarity to aspect terms from a given restaurant review

*Real-time Vehicle Recognition*

Classified vehicles and estimated best pose of a pedestrian from a video stream

*Image Captioning*

Generated unambiguous descriptions of objects in a given image

*Dues Clearance System*

Developed a dues clearance platform for campus administrative employees

### Awards

- Won **1st prize** in Sears India Hackathon, implementing a supply chain framework using **permissioned Block-Chain**
- Star Performer of the quarter, Feb 2018 to Apr 2018
- Won **1st prize** in Decrypt, a case study competition, out of **300+ pan-India** entries

### Leadership

- Served as the **coordinator** of Dance Club, handling a budget of **INR 1,00,000** for conducting workshops and events
- Led the institute dance team of **20 students** into national level dance competitions through out the year