

# Shivank Goel

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## EDUCATION

**CORNELL UNIVERSITY**  
PH.D. IN OPERATIONS  
TECHNOLOGY & INFORMATION  
MANAGEMENT  
2018 - Present  
GPA: 3.91/4

**INDIAN INSTITUTE OF  
TECHNOLOGY DELHI**  
B.TECH. IN COMPUTER  
SCIENCE & ENGINEERING  
2014 - 18  
GPA: 8.95/10

## LINKS

Github:// [shivankgoel](#)  
LinkedIn:// [goelshivank12](#)  
Twitter:// [shivankgoel](#)

## COURSEWORK

**CORNELL**  
Causal Inference  
Econometrics  
Stochastic Processes  
Applied Microeconomics  
Mathematical Programming  
Natural Language Processing  
Numerical Methods for DScience

**IIT DELHI**  
Deep Learning  
Machine Learning  
Artificial Intelligence  
Econometrics  
Microeconomics  
Digital Logic & Design  
Operating Systems  
Computer Architecture  
Design & Analysis of Algorithms  
Discrete Math. Structures  
Data Structures & Algorithms  
Probability & Stochastic Process

## SKILLS

**PROGRAMMING**  
C • C++ • Python  
Stata • R • Matlab  
Java • MySQL • HTML  
CSS • PHP • JavaScript

## EXPERIENCE

### PACIFIC LIFE INSURANCE | CONSULTING PROJECT

Jan – May 2019 | Cornell

- Designed prototype of a new financial wellness application with a team of seven
- Identified opportunities to exploit ML to improve user engagement & growth
- Presented the final prototype to senior management & COO at PL Headquarters

### MICROSOFT | SOFTWARE ENGINEERING INTERN

May – July 2017 | Bangalore, India

- Built a web application to enable multi-factor authentication to access the secure azure data lake cloud storage (ADLS) clusters using authorization code grant flow protocol
- Presented and conducted an educational seminar on different authorization flows defined in OAuth 2.0 protocol for the big data team

### KRITIKAL SOLUTIONS | SOFTWARE ENGINEERING INTERN

December 2016 | Delhi, India

- Developed a python program to inter-convert text between braille code language and other common languages for the assistive devices used by blind people

## RESEARCH & ACADEMIA

- PRICE FORECASTING & ANOMALY DETECTION FOR AGRICULTURAL COMMODITIES** : L. Madaan, A. Sharma, P. Khandelwal, A. Seth & P. Singla
  - Proposed and built system to automatically detect stock hoarding by traders
  - Co-published paper at the second annual ACM SIGCAS conference on computing and sustainable societies - COMPASS, 2019
- ESTIMATING UNBIASED RATINGS FOR ONLINE REVIEW PLATFORMS**  
Joint research with L. Chen & S. Mankad (2019 - Present)
  - Identified role of elite yelp users in reducing the self selection bias of reviewers who want to write more extreme reviews than the moderate ones
- RANDOMIZED TRIAL : EFFECT OF MEDITATION ON COGNITION** : R. Garg  
Collected and analysed participants data from psychological experiments
- RELEVANT FINAL PROJECTS AT CORNELL**
  - Reduced gender bias in pronoun resolution ML models from 8% to 0.2%
  - Created ML model to predict friendship links on yelp (93.4 percent accuracy)

## TEACHING ASSISTANT

NBA 6690, Building a Consumer Internet Business	P. Fuloria	Jan - March, 2019
NBA 6145, AI Strategy and Applications	S. Dutta	June - Present, 2019

## AWARDS, RECOGNITION & FELLOWSHIPS

2019-	Cornell	Johnson PhD Scholarship
2018-19	Cornell	Cornell Graduate School Fellowship
2014-18	IIT Delhi	IIT Delhi Semester Merit Award for ranking in top 7% (3 Times)
2017	Microsoft	Received full-time offer based on internship performance
2017	IIT Delhi	Significant Contribution to Mentorship Committee Award
2014	National	Recognition by Govt. of India for creating educational content
2014	National	INSPIRE fellowship for ranking in top 1% in Class XII national exam
2013	National	Kishor Vaigyanik Protsahan Yojana Fellowship, Govt. of India

## EXTRA CURRICULAR & VOLUNTEERING

- |   |                  |
|---|------------------|
| 1. Served as a lead content developer at Indian Road Safety Campaign  | Sept'17-April'18 |
| 2. Director of technical and web-design team at Entrepreneurship Cell | Aug'16-May'17    |
| 3. Completed 100 hours of social service with National Service Scheme | 2014-18          |