

# Shivank Goel

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## EDUCATION

### CORNELL UNIVERSITY

#### MS IN MANAGEMENT

Expected May, 2020

GPA: 3.91/4

#### PH.D. IN OPERATIONS

TECHNOLOGY & INFO.

MANAGEMENT

2018 - Present

### 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

### 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

### 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

### 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 an electronic reader 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 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 School 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