

# Shivank Goel

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## EDUCATION

### CORNELL UNIVERSITY: SC JOHNSON COLLEGE OF BUSINESS

MS IN MANAGEMENT  
May, 2020  
GPA: 3.91/4

INDIAN INSTITUTE OF  
TECHNOLOGY DELHI  
B.TECH. IN COMPUTER SCIENCE  
& ENGINEERING  
May, 2018  
GPA: 8.95/10

## LINKS

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

## COURSEWORK

### CORNELL

ML & DATA SCIENCE  
Advanced Language Tech.  
D.Science Numerical Methods

STATS & ECONOMICS  
Microeconomics  
Econometrics  
Causal Inference

### IIT DELHI

ML & DATA SCIENCE  
Deep Learning  
Machine Learning  
Artificial Intelligence

SOFTWARE DEVELOPMENT  
Computer Networks  
Operating Systems  
Data Structures & Algos  
Design & Analysis of Algos  
Software Design Practices

## SKILLS

### PROGRAMMING

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

## SOFTWARE ENGINEERING EXPERIENCE

### MICROSOFT | SOFTWARE ENGINEERING INTERN

May – July 2017 | Bengaluru, India

- Built a web application to enable multi-factor authentication to access secure azure data lake cloud storage (ADLS) clusters using authorization code grant flow protocol
- Conducted and presented an educational seminar on 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 an electronic reader used by blind people

## PRODUCT DESIGN & STRATEGY

### PACIFIC LIFE INSURANCE | CONSULTING PROJECT

Jan – May 2019 | Ithaca, New York

- 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

## MACHINE LEARNING RESEARCH & PROJECTS

- PRICE FORECASTING & ANOMALY DETECTION FOR AGRICULTURAL COMMODITIES**  
Joint research with L. Madaan, A. Sharma, P. Khandelwal, A. Seth & P. Singla  
1. Developed an ML system to automatically detect stock hoarding by traders  
2. Published at 2nd ACM Conference on Computing and Sustainable Societies, 2019
- ESTIMATING UNBIASED RATINGS FOR ONLINE REVIEW PLATFORMS**  
Joint research with L. Chen & S. Mankad (2019 - Present)  
1. Identified role of elite Yelp users to reduce polarization bias in reviews  
2. Proposed and built ML model to predict unbiased ratings for businesses
- GENDER DEBIASING IN PRONOUN RESOLUTION MODELS**  
1. Implemented a recurrent neural network architecture for pronoun resolution  
2. Enhanced model performance by 5% & reduced gender bias from 8% to 0.2%
- PREDICTING FRIENDSHIP LINKS FOR SOCIAL NETWORKS**  
Implemented convolutional networks to predict friends on Yelp with 93.4% accuracy

## TEACHING ASSISTANTSHIP

NBA 6690, Building a Consumer Internet Business	Cornell	Jan - March, 2019
NBA 6145, AI Strategy and Applications	Cornell	June - August, 2019

## AWARDS & 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	IIT Delhi	Significant Contribution to Mentorship Committee Award
2014	National	INSPIRE fellowship for ranking in top 1% in Class XII national exam
2013	National	Young Scientist Incentive Plan (KVPY) Fellowship, Govt. of India

## EXTRA CURRICULAR

Director of technical and web-design team, Entrepreneurship Cell, IITD      Aug'16-May'17