

# Apurva Bhandari

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## EDUCATION

### UMASS AMHERST

#### M.S. IN COMPUTER SCIENCE

Dec 2020 | Amherst, MA

GPA: 3.9 / 4.0

### BITS PILANI

#### BS IN COMPUTER SCIENCE

May 2018 | Goa, India

GPA: 8.54 / 10.0

## COURSEWORK

### GRADUATE

Secured Distributed Systems\*

Advanced Machine Learning\*

Algorithms for Data Science

Natural Language Processing

Neural Networks

Probabilistic Graphical Models

Data Visualization and Exploration

### UNDERGRADUATE

Machine Learning

Information Retrieval

Operating Systems

Object Oriented Programming

Database Management Systems

Effective Public Speaking

## SKILLS

### PROGRAMMING

Over 5000 lines:

Golang • Java • Python • Mockito

JUnit • SpringMVC • Cadence • Glue

Over 1000 lines:

JSP • HTML • CSS

Familiar:

DynamoDB • AWS • MySQL

## POSITIONS

2019 1st prize Hackathon at  
Lithium R&D India

2017 Basketball team Captain

2011 Basketball team Captain

2011 School Marshal

2010 School Secretary

2009 Basketball team Captain

## EXPERIENCE

### UBER FREIGHT | SOFTWARE ENGINEER INTERN

May 2020 - Aug 2020 | San Francisco, CA

- Created a value of \$1.7M in additional annual run rate for Uber Freight(UF) with a new emailing feature.
- Engineered and launched the feature into production.
- Composed a pipeline for future experiments on early shippers on the UF platform.
- Achieved efficient signalling workflow using Cadence for task orchestration.

### LITHIUM | SOFTWARE ENGINEER

July 2018 - July 2019 | Bangalore, India

- Created a community question answering service.
- Slashed request serve time from 9 to 0.33 seconds for the community question answering service.
- Curated a community question answering dataset.

### AMAZON | SOFTWARE ENGINEERING INTERN

July 2017 - Dec 2017 | Bangalore, India

- Built and deployed a payment portal for a new payment method called PayAtStore. Code is live at storedashboard.amazon.in.
- The service saw a 49 times increase in the number of users in less than a year.
- Owned feature development end-to-end; collaborated with teams across the globe.

## RESEARCH

### MICROSOFT | GRADUATE STUDENT RESEARCHER

Jan 2020 - May 2020 | Cambridge, MA

- Academia guide: **Prof. Andrew McCallum**
- Established the faster and accurate method to use for runtime anomaly detection upon comparison of two feature attribution methods.
- **Published** a workshop paper at CMAI'20.

### NUS SINGAPORE, ALSET LAB | DATA ANALYTICS INTERN

Jan 2018 - May 2018 | Singapore

- Successfully deployed a React, Redux Firebase application and integrated it with Moodle.
- Enabled collection of the student activity data on the application to perform analysis.
- Created a service in Python to automate running and testing of python notebooks.

## SELECTED PROJECT

### NATURAL QUESTION ANSWERING | UMASS AMHERST | FALL '19

- Created a dataset synthetically that represents questions which are more natural query like.
- On this dataset, enhanced model performance from F1 score of 62.15 to F1 score of 73.05 by hyperparameter tuning.