

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.
- Set up 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 - 2019

- 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.