

Abhik Bapna

B.Sc. Honours Mathematical Physics | University of Waterloo | Student ID: 20755869

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+1 437 226 6537 Soft Skills found here: Plum Profile Waterloo, Canada

SKILLS

Python 1 year experience	Neural Networks deeplearning.ai certificate	Data Analysis pandas, scipy, Numpy	Mathematics Flask Built an API	Git and GitHub github link above
Machine Learning Designing and Building ML Models	Data Visualization Matplotlib, folium	Tensorflow deeplearning.ai certificate	Postgresql Used in webapp	Microsoft Office Django Jira and Confluence

EDUCATION

B.Sc. Honors Mathematical Physics 3A

University of Waterloo, Canada SEP 2018 – MAY 2022
(expected)

- Dean's Honors List
- Cumulative Average: 80
- President's Scholarship Award
- Dean's Honors List

High School

Delhi Private School, Dubai 2012 – 2018

- Final grade: 90
- Mathematics: 95, Physics: 93
- Scholar Badge for Academic Excellence

EXPERIENCE

Python Developer Intern

FarEye Logistics Sep – Dec 2020 (4 months) Remote

Keywords: Python, Vehicle Routing Problem, Google OR tools

- Created Routing Engine with Google OR tools to benchmark with JSprit.
- created a json parser to deal with input data.
- Considered a plethora of constraints: fleet capacity, time windows, driver shift times, pickup and delivery.
- Created an API with flask/django to interact with mobi.
- Used k-means clustering to improve run time for higher volume orders

HR Assistant

Medstar LLC Jul – Aug 2019 (1 month) Dubai, UAE

Keywords: Microsoft Excel

- Secured employee data for 50 employees by implementing a filing system.
- Programmed an intricate excel sheet that calculated Leave Balances automatically for the next two years.
- Executed by learning new methods on the job and by asking for assistance whenever needed.

RELEVANT PROJECTS

FarEye Hackathon (code on github)

- Created a Street Sweeping Application using Postgresql, Python and OpenstreetMap..
- Built a web application using Flask and JavaScript for mapping.
- Collaborated and Lead a team, also presented the application to the judges.

Segmenting and Clustering Toronto Neighborhoods based on Postal Codes (code on github)

- Scraped Wikipedia page for Neighbourhood Data using BeautifulSoup package.
- Got venue data based on postal codes using FourSquare API and made a DataFrame.
- Visualized geospatial data using Folium library.
- Used k-means clustering to cluster data and displayed clusters on map.

CERTIFICATIONS

IBM Data Science Specialization
Coursera | June 2020

Neural Networks and Deep Learning
Coursera | Aug 2020

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
Coursera | Oct 2020