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Web & Git

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Programming

Python
R
Java
JavaScript
React
Node.js
C++
SQL

OS Preference

GNU/Linux ★★★★★
MacOS ★★★★★
Windows ★★★★★

Databases

MySQL
MongoDB
PostgreSQL
SQLite

Platforms

Tableau
Power BI
Android
iOS
Splunk
Apigee
Microservices
Jenkins
Google Cloud
AWS
Hadoop
Jira
Rally

Harman Bhutani

Data Scientist

Objective

I am a passionate Data Science enthusiast with 3+ years of experience as a software developer. By working on a variety of technologies from writing micro-services, Apigee, Python web back-end systems, to building models for license plate detection, Object detection and NLP, etc; to possessing the outstanding strength in communication aspects acquired through proven work experiences. I have gained many skills including perhaps the most crucial skill of all i.e. to consistently renovate.

Education

- 2019-Present **Master in DTI Concentration in Data Science** [University of Ottawa, Ottawa](#)
Courses: Fundamentals of Applied Data science, Project Management, Data Mining, Cyber Security, Data Science and Applications, BI technologies and Big Data Analytics.
- 2013-2017 **Bachelors Computer Science Engineering** [Guru Nanak Dev Engineering College](#)
Courses: Data Structures, Operating Systems, Data Warehousing, Database Management Systems

Work Experience

- 06/20 - Present **Data Scientist** [Meta Innovation Technologies](#)
I have contributed in development of their AI dashboard as well as educational portal where user can upload their data and my binary classification model can classify data using sklearn and XGBoost. I worked on data modeling and creating a proper model that can be used to obtain analytical results for Dashboards.
- 01/21 - Present **Teaching Assistant** [University of Ottawa](#)
Helping students in topics include the estimation (using confidence intervals) and hypothesis testing, correlation and the simple linear regression model and chi-square tests on qualitative data.
- 08/20-10/20 **Machine Learning Engineer** [Deol Data](#)
I have worked on various modules such as Object detection, Face recognition, historical recording of faces detected etc and has developed Android and iOS app for same as well as a proof of concept of idea. I helped team to chose which Machine Learning models to use, its development and in storing data to be used in training and testing of the model.
- 03/20 - 06/20 **Machine Learning Intern** [Braiya AI](#)
Developed a Machine Learning model to detect Licence Plates of cars from surveillance camera and save Licence plate text to Database. I used Single Shot Detector (SSD) in Keras with Tensorflow as backend and trained model with hyper-parameter tuning and model achieved mAP value of 94.3. Taking ownership over Machine Learning models, being accountable for their training, accuracy and tuning.

Positions of Responsibility

Google Developer Group, Montreal
Facebook for Developers
Google Student Club
Linux User Group

Achievements

MIT Reality Hack
Organiser TEDx Ottawa
ACE Award Winner
Highest Award
Accenture
APEX Award Winner
Accenture
TiE Hackathon Winner
National Award for growing Startup

Hobbies

Solving Puzzles
Speed Cubing
Playing Chess
Listening music
Stage Presentation

02/20-09/20 **App Developer**

University of Ottawa

I have implemented a Linguistic Risk-Taking hybrid mobile application using MEAN stack technologies. I gathered requirements from Professor and prepared wireframes to showcase the application flow and built Android application using Ionic Angular and Cordova Google App Link - <https://play.google.com/store/apps/details?id=io.linguisticrisk.uottawa> Apple App Link - <https://apps.apple.com/tt/app/linguistic-risktaking-passport>

01/20 - 05/20 **Teaching Assistant**

University of Ottawa

Teaching Enterprise Architecture about integration of management and technology for various levels of organisations. Making students work on various frameworks and strategic plans for enterprise solution.

08/19-02/20 **Research Assistant**

University of Ottawa

I have developed a research based app for smart watches which will monitor ECG from user's heartbeat and developed a machine learning model which is customised for each user and predict before hand if user is going to have heart attack or not and 6 other similar heart diseases.

08/19-12/19 **Teaching Assistant**

University of Ottawa

Teaching assistant for course Computer Architecture, taking lab of students, teaching them working of Control Unit, ALU, Registers, Buses using Quatrus2.

07/17-07/19 **Application Development Analyst**

Accenture

Developing Neural model using Tensorflow, sklearn etc. and visualisation using R and Tableau for 1M+ customers using Spark to scrape, clean and analyse large data for T-Mobile. Worked as a developer for Architecture Integration ePlatform and my work is to design and implement system that expose RESTful APIs, Microservices with APIgee with Agile Methodology

06/16 - 12/16 **Machine Learning & Neural Network**

GNDEC Data Science

Design and development of algorithms of Machine Learning using various techniques such as Linear, Logistic Regression. Major Python libraries

06/16 - 01/17 **Google Facilitator**

Google, India

Selected as Google Facilitator from my college. Taught Students about Android and Artificial Intelligence under the program Google CS with Android Newspaper Image link

05/15 - 08/15 **Big Data analytics using Hadoop**

N.I.E.L.E.T, Mohali

Completed my 6 weeks industrial training in Big Data analytics using Hadoop where I worked on Map-Reduce algorithm and worked on various platforms such as Pig, Hive, HBase, Jaql etc.

Certifications

Tableau Data Scientist - Tableau
Tableau Data Analyst - Tableau
Splunk Certified User - Splunk
R Programming - Coursera Machine learning with Python - Coursera
NLP with Python - LinkedIn Learning
Artificial Intelligence Essentials - NASBA
Big Data and Analytics - Amazon Web Services