

Ashish Bansal

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EDUCATION

IIIT-Delhi

IOP CS231 Deep Learning

Jan 2019 – July 2019

IIIT-Delhi

IOP CS343/543 Machine Learning

Aug 2018 – Dec 2018

IACSD Pune

C-DAC (Center of Development of Advance Computing)

July 2009 – Mar 2010

University of Pune (D.Y Patil Institute of Engineering & Technology, Pune)

BE Information Technology

67.33 %

July 2005 - July 2009

INDUSTRY EXPERIENCE

Specialist Data Science @Collaborative Intelligence, Gurugram.

Oct 2019 – June 2020

- Working on **Tyrambak (Object detection and License Plate Detection)** using ML models of the moving vehicles and transmitting data on the entry and exit.
 - Working on building end-to-end **ML training and deployment**.
 - Training on GPU for custom data set using YOLO to get higher accuracy.
 - Preprocessing of video feed (5MP, 2MP), images using Image Processing Techniques and OpenCV
- **Technologies:** Python | OpenCV | MySQL | NumPy | Pandas | TensorFlow | PyCharm

Data Science Engineer / Technical Lead QA @Eseye Global Pvt Ltd, Noida

Mar 2017- Aug 2018

- Worked for **Messaging V4** which is messaging system using to connect IOT with centralized server.
 - Built a Machine Learning (Logistic Regression) model which predicts the crash according to the metrics recorded in IOT device.
 - Apply machine learning algorithms, statistical data analysis, computational linguistics, and similar tools to find useful patterns in data collections.
 - Build API/Web automation frameworks from scratch using Rest Assured, Protractor (e2e framework for angular/angular js app) Postman, SoapUI
 - Mentoring the team on automation and QA skills. Team size – 3
 - Travel onsite to UK office for KT and working with offshore team for product delivery and testing.
- **Technologies:** Python | Jupyter Notebook | Rest Assured | Protractor | Sklearn | Postman | Jenkins

SDET Lead/Quality Engineer @ Snapdeal (Jasper Infotech), Gurugram

Aug 2013 – Mar 2017

- Worked on various e-commerce products and portals (**OLP, Delivery Boy App and Janus**)
 - Verifying change requests and defect, documenting, tracking and communicating test plans, test results and unresolved problems.
 - Integration testing of various components. (Vulcan, Prtouch, Freecharge)
 - Build API automation framework and automated business flows of app using Postman and integrated on Jenkins.
 - Measured performance of API using JMeter.
- **Technologies:** Python | Jenkins | Jira | JMeter | Postman | Swagger | Mysql

- Worked as a security and performance test engineer in Ibibo products (**Goibibo , Payu, Tradus**)
 - Automated security testing of Ibibo applications using Acunetix web scanner and Armorize Codesecure .
 - Manually Identified XSS , CSRF, SQL Injection
- **Technologies:** Load Runner | Paros proxy | Code Armorize | Acunetix Web Scanner

TEACHING EXPERIENCE

Teaching Instructor @ IBM

- Delivered 4-day online training with IBM on programming with Python. Covered topics of Programming with Python 3.7, Data Science and OpenCV

Teaching Instructor @ Truneek

- 7 Day course Python with Data Science (NumPy, Pandas, Matplotlib)

BLOGS

[Image Enhancement Techniques using OpenCV and Python](#)

- Explains how we enhance the image quality of low contrast, blur image using image processing techniques.

[Indian Actor Classification using Deep Neural Network](#)

- Implemented a convolutional neural network to classify the images of Indian actors and achieved accuracy of 90%.

[Building Python source with OpenCV and OpenCV Contrib](#)

- Step by step instructions to build python source with OpenCV and OpenCV contrib modules.

[Need for Feature Engineering in Machine Learning](#)

- Implemented different techniques how to do feature engineering in machine learning.

[Machine Learning in a Nutshell](#)

- Machine learning concepts and topics.

CERTIFICATIONS & COURSES

Coursera

- [Introduction to Data Science in Python](#)
- [Applied Machine Learning in Python](#)
- [Getting Started with Machine Learning with AWS](#)
- [Getting Started with TensorFlow 2](#)

NPTEL

- [The Joy of Computing using Python](#)
- [Python for Data Science](#)
- [Business Analytics and Text Mining Modelling using Python](#)
- [Machine Learning for Engineering and Science Applications](#)

Udemy

- [Python for Data Science and Machine Learning Bootcamp](#)
- [AWS Machine Learning Certification Exam 2020](#)

Others

- [TCS Ion Pro-Cert Artificial Intelligence](#)
- [CSM Scrum Alliance](#)