Ashish Bansal

Machine Learning/AI Data Scientist

10 years of experience out of which 4+ years of research and development experience in ML /DL . Blogger , you-tuber Tech enthusiastic consistently endeavour to learn new technologies , business domains and latest industry trends for achieving company goals .

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📍 Bathinda (Punjab)   🖱 techplanetai.com, www.youtube.com/c/TechplanetAI/

in linkedin.com/in/ashishbansal1   ○ github.com/ashishb21

◖◗ medium.com/@ashishb21

WORK EXPERIENCE

Sr Software Engineer
Lexis Nexis Pvt Ltd

07/2021 - Present   *Gurugram,India*

Achievements/Tasks

- Working on Metadata extraction project for pdf documents of legal case documents using NLP and pdfminer.
- Deploying API using FastAPI to cloud using CD/CI pipelines.
- Worked on Case identification legislation and AutoMarkup API which identifies legislation into legal documents using DL and text-based approach.
- Developed a single process to combine all the services to yield good result and better output .

Technical Analyst
Coforge Pvt Ltd

10/2020 - 07/2021   *Noida ,India*

Achievements/Tasks

- Working for **NNIP Investment Fintech** to provide an intelligent search for their SEC filings data using NLP and AWS Elastic Search Service.
- Processed 10-K and 10-Q filings in AWS Elastic Search for fast searching of data.
- Provided intelligent search API using Python FastAPI framework.
- Triggered Pipeline using AWS Lambda and AWS CloudFormation and Integrated the flow using Gitlab CD/CI.

Data Science Specialist
Collaborative Intelligence Pvt Ltd

10/2019 - 06/2020   *Gurugram,India*

Achievements/Tasks

- Working on **Tyrambak** (Object detection and License Plate Detection) using ML and DL models of the moving vehicles and transmitting data on the entry and exit.
- Working on building end-to-end ML training and deployment on the dataset using YOLO .
- Preprocessing of video feed (5MP, 2MP) using Image Processing Techniques and OpenCV .

SKILLS

Python   Machine Learning   NLP   Computer Vision

AWS   CD/CI   Web Development   Numpy

Pandas   Tensorflow   SDLC   Deep Learning

Git/Gitlab   Elastic Search   FastAPI   OpenCV

AWS lambda   Docker

EDUCATION

MTech (AR VR) Executive
IIT Jodhpur

08/2022 - Present

IOP CS231 Deep Learning
IIIT Delhi

01/2019 - 05/2019

IOP CS343/543 Machine Learning
IIIT Delhi

07/2018 - 12/2018

B.E (Information Technology)
DYPIET Pune University

03/2005 - 06/2009   *First class with distinction*

CERTIFICATION & COURSES

TCS iON ProCert - Artificial Intelligence
TCS

Business Analytics and Text Mining Modeling using Python
NPTEL

Python for Data Science
NPTEL

Machine Learning for Engineering and Science Applications
NPTEL

WORK EXPERIENCE

Data Science Engineer/SDET Lead
Eseye Global Pvt Ltd

03/2017 - 08/2018   Noida , India
Achievements/Tasks

- 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.
- Travel onsite to UK office for KT and working with offshore team for product delivery and testing.

SDET Lead
Snapdeal

08/2013 - 03/2017   Gurugram ,India
Achievements/Tasks

- 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's using JMeter.

QA Engineer
Ibibo Web Pvt Ltd

04/2011 - 07/2013   Gurugram,India
Achievements/Tasks

- 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.

CERTIFICATION & COURSES

Applied Machine Learning in Python
Coursera

Getting Started with Tensorflow 2
Coursera

The Joy of Computing using Python
NPTEL

Introduction to Data Science in Python
Coursera

CSM (Certified Scrum Master)
Scrum Alliance

Getting started with AWS Machine Learning
Coursera

TEACHING EXPERIENCE

Teaching Instructor
Truneek

Tasks/Achievements

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

Teaching Instructor
IBM

Tasks/Achievements

- Delivered 4-day online training with IBM on programming with Python ,Datascience and OpenCV

PUBLICATIONS

Blog
Need for Feature Engineering in Machine Learning
28/04/2019
https://towardsdatascience.com/need-for-feature-engineering-in-machine-learning-897df2ed00e6

Blog
Image Enhancement Techniques using OpenCV and Python
26/05/2020
https://towardsdatascience.com/image-enhancement-techniques-using-opencv-and-python-9191d5c30d45

Blog
All You Need to Know about Elastic Search Queries with AWS
26/09/2021
https://medium.com/@ashishb21/all-you-need-to-know-about-elastic-search-queries-with-aws-26ea626aec1e

Youtube
Python Fastapi project using SAM Serverless | AWS Deployment | Lambda with API Gateway Fast API |
03/06/2022
https://youtu.be/9ciujhGdAOs