Abhishek Jain

Python Developer, Data Specialist, Freelancer, Imaginative

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Education

Degree/Grade	Institute/Board	Score
B. Tech ECE Final Year	JECRC Foundation (RTU)	80% (2017-2021)
Senior Secondary (Pre-Engineering)	CBSE(Delhi)	87% (2017)
Secondary (High School)	CBSE(Delhi)	8.2 CGPA (2015)

Internships

Bhaval Synthetics (India) Limited - *A unit of Kanchan Group*
[1st June'18 - 30th June'18] – UDAIPUR

- ❖ Identified many electronics machines by interviewing all associated personnel and by conducting on-site surveys.
- ❖ Provide an Idea about how to save Electricity using Sensors (PIR Motion Sensor, Ultrasonic Sensor, Occupancy Sensor).

Zeetron Networks Pvt. Ltd. - *A unit of Kanchan Group*
[1st June'19 - 14th July'19] – JAIPUR

- ❖ Introduction to IoT using Raspberry Pi and identified many ideas about how the industry works in the field of IoT and providing PowerPoint Presentation.
- ❖ Tools: Raspberry Pi, AWS, Digital Ocean, Arduino, Sensors, putty, IP-Scanner
- ❖ Language: Python, Embedded C
- ❖ Was given a '**Letter of Recommendation' as Python Instructor'** by the company as a token of appreciation.

Technical Skills	➢ Python Libraries: (Pandas, Matplotlib, NumPy, Regular Expression, Seaborn, SciPy, Pillow, Tesseract, OpenCV, Sklearn and many more), C, Embedded C, SQL, RDBMS concepts, Internet of Things ➢ Data Science: Data Analytics, Data Visualization, Text Mining, Machine Learning, PySpark
Tools Knowledge	➢ Python, Advance Excel, MS Office, Embedded Systems, PySpark, Anaconda, Putty, AWS, Digital Ocean, IoT

Certification and Training

Python	Issuing Organization: • Internshala • Cognitive Class • HackerRank • Coursera (Python: Pillow, Tesseract, OpenCV) • Udemy (Pandas)
Data Science	**Applied Data Science with Python (From Coursera)** • Introduction to Data Science in Python • Applied Plotting, Charting and Data Representation in Python • Applied Machine in Python • Applied Text Mining in Python • Applied Social Network Analysis in Python
Google Analytics	• Google Analytics for Beginners • Advanced Google Analytics • Google Analytics for Power Users • Getting Started with Google Analytics 360 • Introduction to Data Studio
IoT	**Issuing Organization:** IIHT Ltd, Jaipur
Embedded C	**Issuing Organization:** EXACKT TECHFLEETERS PVT LTD
Aws	**Amazon Web Services training and Workshops:** • Computer Vision with GluonCV • AWS Database Offerings • PostgreSQL Fundamentals: SQL Command Line

Project Experience - Details	
Project Name	**Movie Recommendation System -** ML Project (ICT707 Data Science Practice, Task 3)
❖ Description	It is a Freelancing Data Science Project from USC Sunshine Coast, Australia. It is required to implement a movie recommendation system on Collaborative filtering with Alternative Least Squares Algorithm and implement a classification system with Logistic regression using PySpark which predicts a movie for a customer using their past experience. This project also contains a Data Science report file.
❖ Tools	➢ PySpark ➢ Python (Libraries: Sklearn, pandas, seaborn, matplotlib, NumPy, SciPy) ➢ Machine Learning GitHub: https://github.com/7410abhi/Movie-Recommendation-System-using-PySpark-with-Logistic-Regression
❖ Verification	
Project Name	**COVID-19 Statistics Visualizer -** Data Visualization Project
❖ Description	This visualization was concerned with COVID-19. There is a comparison between the Statistics of all states of India and (COVID-19 cases, Number of Beds available, State-wise Testing Details in India, State-wise Population of India). Each plot indicates the statistics of the matter of fact that plays an important role in this phase of Pandemic. The reason behind choosing this topic is that the whole world is suffering from COVID-19 and the vaccine has not yet come in the picture. The Mentioned subplot is directly relatable with controlling the effect of COVID-19. Each subplot has its level of importance.
❖ Tools	➢ Jupyter Notebook ➢ Python (Libraries: Pandas, Matplotlib, NumPy, SciPy, Seaborn) GitHub: https://github.com/7410abhi/Applied-Plotting-Charting-Data-Representation-in-Python
❖ Verification	
Project Name	**Jarvis (AI Desktop Voice Assistant) -** Python Project
❖ Description/Tasks	Jarvis is a pure Python based project which is used to send emails without typing a single word, doing Wikipedia searches without opening web browsers, and performing many other daily tasks like playing music with the help of a single voice command. • It can send emails for you. • It can play music for you. • It can do Wikipedia searches for you. • It is capable of opening websites like Google, YouTube, etc., in a web browser. • It is capable of opening your code editor or IDE with a single voice command.
❖ Tools	➢ Python (Libraries: pyttsx3 (Text-to-speech), sapi5(speech API

	by Microsoft), speechRecognition, Wikipedia, datetime, webbrowser, smtplib) GitHub: https://github.com/7410abhi/Jarvis-Voice-Assistant-/blob/master/Jarvis(AI%20Desktop%20Voice%20Assistant).ipynb
❖ Verification	
Project Name	**Face Detector -** Python Project
❖ Description	There is a zip folder which contains many newspaper images, the task is to allows one to search through the images looking for the occurrences of keywords and faces. E.g. if the search is for "pizza" it will return a contact sheet of all of the faces which were located on the newspaper page which mentions "pizza". ➢ Python (Libraries: OpenCV to detect faces, tesseract to do optical character recognition, PIL to composite images together into contact sheets)
❖ Tools	
❖ Verification	GitHub: https://github.com/7410abhi/Image_detector-using-python-libraries
Project Name	**Involver -** Socket Programming Project
❖ Description	This project is a controversial online service that allows people to share commands or manipulates the client's system files through Internet. This project is used to communicate between various processes usually running on different systems
❖ Tools ❖	➢ PyCharm, Python ➢ Putty, Digital Ocean
❖ Verification	GitHub: https://github.com/7410abhi/Socket-Programming
Project Name	**Black Line Follower -** Embedded System Project
❖ Description	This project is an automated guided vehicle, which follow a visual line embedded on the floor or ceiling. Usually, the visual line is the path in which the line follower robot goes and it will be a black line on a white surface but the other way (white line on a black surface) is also possible. ➢ Arduino Nano ➢ Components: L293D Motor Driver IC, 2 Geared Motors, Robot Chassis, 2 IR Sensor Module, Black Tape (Electrical Insulation Tape), Connecting Wires, Power Supply
❖ Tools	
❖ Verification	GitHub: : https://github.com/7410abhi/Black-Line-follower/tree/master

Achievements
Achieved a Best Athlete Title in 4 consecutive years. *[2013-2016]*
Represented High School for 2 consecutive years in CBSE Clusters. *[2014-2016]*
Earned Excellence Award for Leadership Quality (House and Sports Captain) (Std XI - XII) *[2015-2017]*
Second Place in "Just C" an Event of Renaissance. *[2018]*
Represent College projects at NBA (National Board of Accreditation) visit. *[2019]*
Reaching in final round of JECRC Hackathon 4.0 *[2020]*