Brain4Future Dwarka Sector 28 DELHI-110077(8800110345) BY-ASHISH RAJPUT

Python (core) Online Training

Zero To Hero In Only 45 days with zero prior knowledge(Live Coding)

Course Details

Computer programming skills are now becoming part of basic education as these skills are increasingly of vital importance for future job and career prospects. The Python programming language which is one of the most popular programming languages worldwide. The course shows you how to use the free open-source.

PYTHON COURSE CONTENT

MODULE -1

Language Fundamentals

- Python History?
- Feature of Python?
- Why Python is Famous?
- Python Is All rounder ?
- Application
- Variable , Identifiers, Keywords
- Statements & Expression
- Comments
- Identifiers, Data Types
- Type Casting
- Mutability vs ImmMutability
- Input &Output Statements
- 25+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based

(Amazon+Flipkart+Oracle+Tcs+Infosys)

MODULE -2

Python Fundamentals begins with acquiring an in-depth knowledge of the Python programming language. By the end of the week, students will be expected to program intermediate level scripts in Python

PYHON FLOW CONTROL

- Decision Making Statements
  - If Statements,
  - if else Statements,
  - if elif Statements
  - nested if Statements

- **LOOP IN PYHON**
  - While Statements
  - For Statements
  - Pattern Program(25+)
- 25+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based

(Amazon+Flipkart+Oracle+Tcs+Infosys)

MODULE -3

STRING IN PYHTON

- String Data Type
- String Slice Operator
- Mathematical Operator on string
- Str function
- 10+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based (TCS+)

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MODULE-4&5

5

LIST & TUPLE

- What Is List?
- Operation On List?
- List Function
- Nested List
- What Is Tuple
- Set Data Structure
- Difference b/w Tuple &List
- 25+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based

(Amazon+Flipkart+Oracle+Tcs+Infosys)

MODULE &Package

- What is Modules?
- Random Modules ?
- What Is Package?
- 10+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based (TCS+)

MODULE -6

FUNCTION

- What Is Function?
- Recursive Function
- Lambda Function
- 25+ solve Programs.
- Practice Question.
- Assignment
- Interview Question Based

(Amazon+Flipkart+Oracle+Tcs+Infosys)

MODULE -7

Numpy

- **Multidimensional array object** (ndarray)
- **Broadcasting** for arithmetic operations
- **Mathematical and statistical functions**
- **Linear algebra operations**
- **Fourier transformations**
- **Random number generation**
- **Efficient handling of large datasets**

Module -8

Numpy

- **DataFrame and Series objects**
- **Handling missing data**
- **Data alignment and reshaping**
- **Aggregation and statistical operations**
- **Reading and writing data (CSV, Excel, SQL)**
- **Efficient data filtering and selection**

Module -9

Matplotlib

1. **Introduction to Matplotlib**
2. **Installing Matplotlib**
3. **Importing Matplotlib**
4. **Creating a Basic Line Plot**
5. **Bar Chart**
6. **Scatter Plot**
7. **Customizing Plots (Labels, Titles, Colors)**
8. **Adding Grid and Style**
9. **Adjusting Figure Size**
10. **Saving Plots**

Seaborn Topics

11. **Introduction to Seaborn**
12. **Installing Seaborn**
13. **Importing Seaborn**
14. **Line Plot with Seaborn**
15. **Histogram with KDE**
16. **Box Plot**
17. **Pair Plot**

Capstone Project

- Industry Project 1:Sales Data
- Industry Project 2 :Employee Data

Ppt+class notes of live coding will be shared.
Recording Video available .

Course Instructor

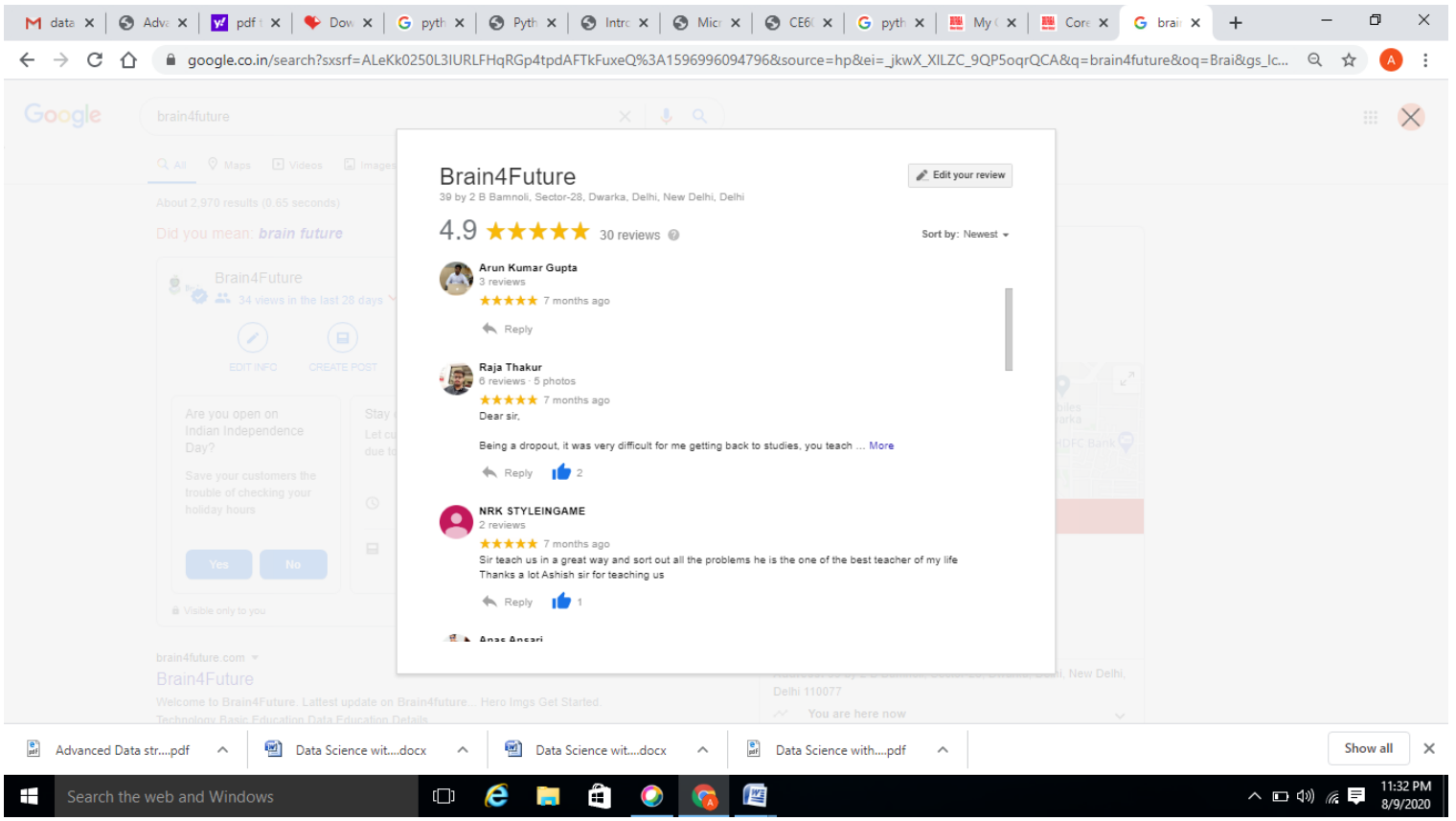
(**ASHISH RAJPUT)**
(6+Teaching Experience)
(Btech+ mtech+ 5 times gate qualified

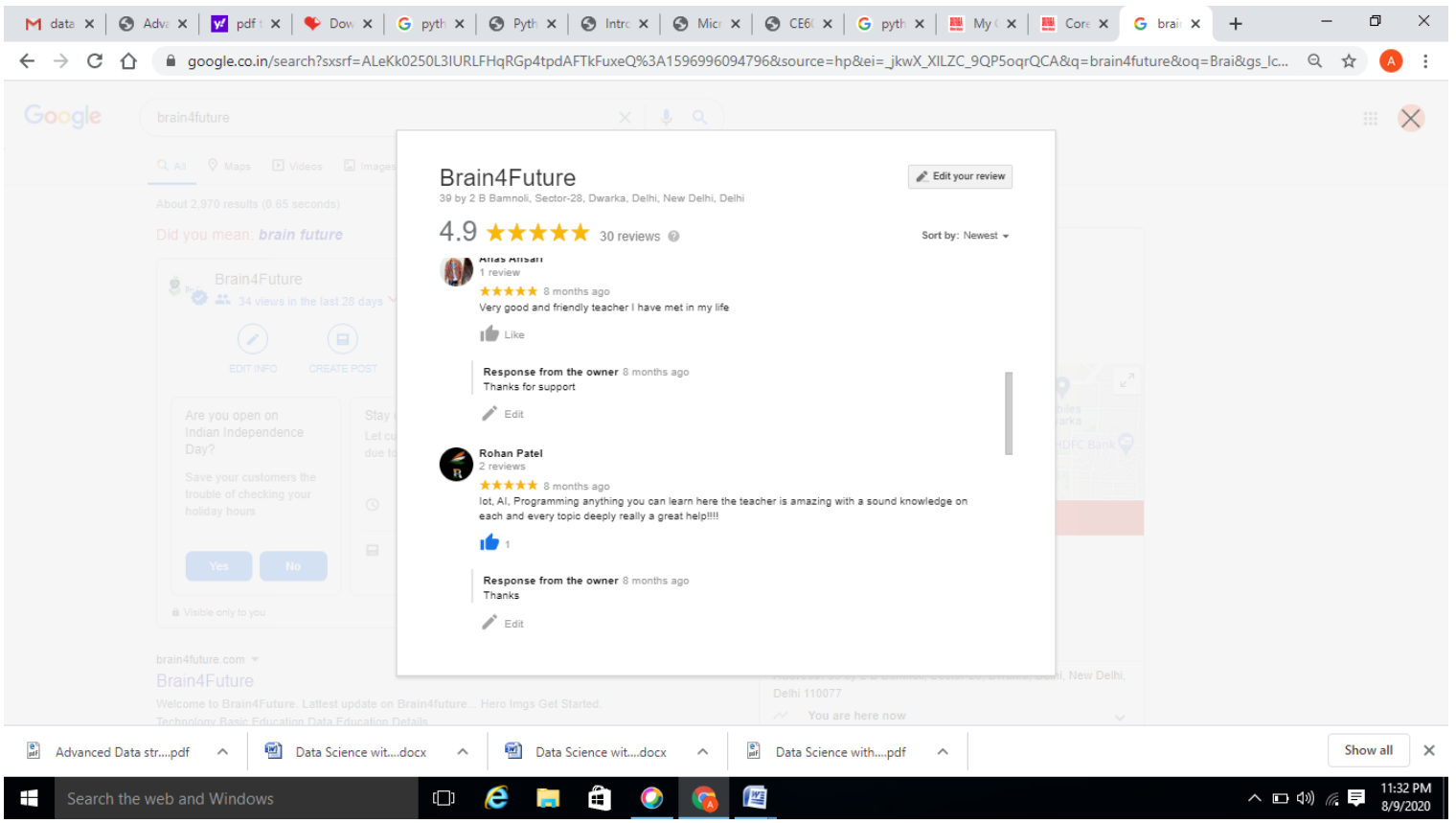
- Industry Trainer :NIIT Limited
- AI Lab in NSUT delhi
- Mentor of ICT ACADEMY IN IIT KANPUR+ many more)

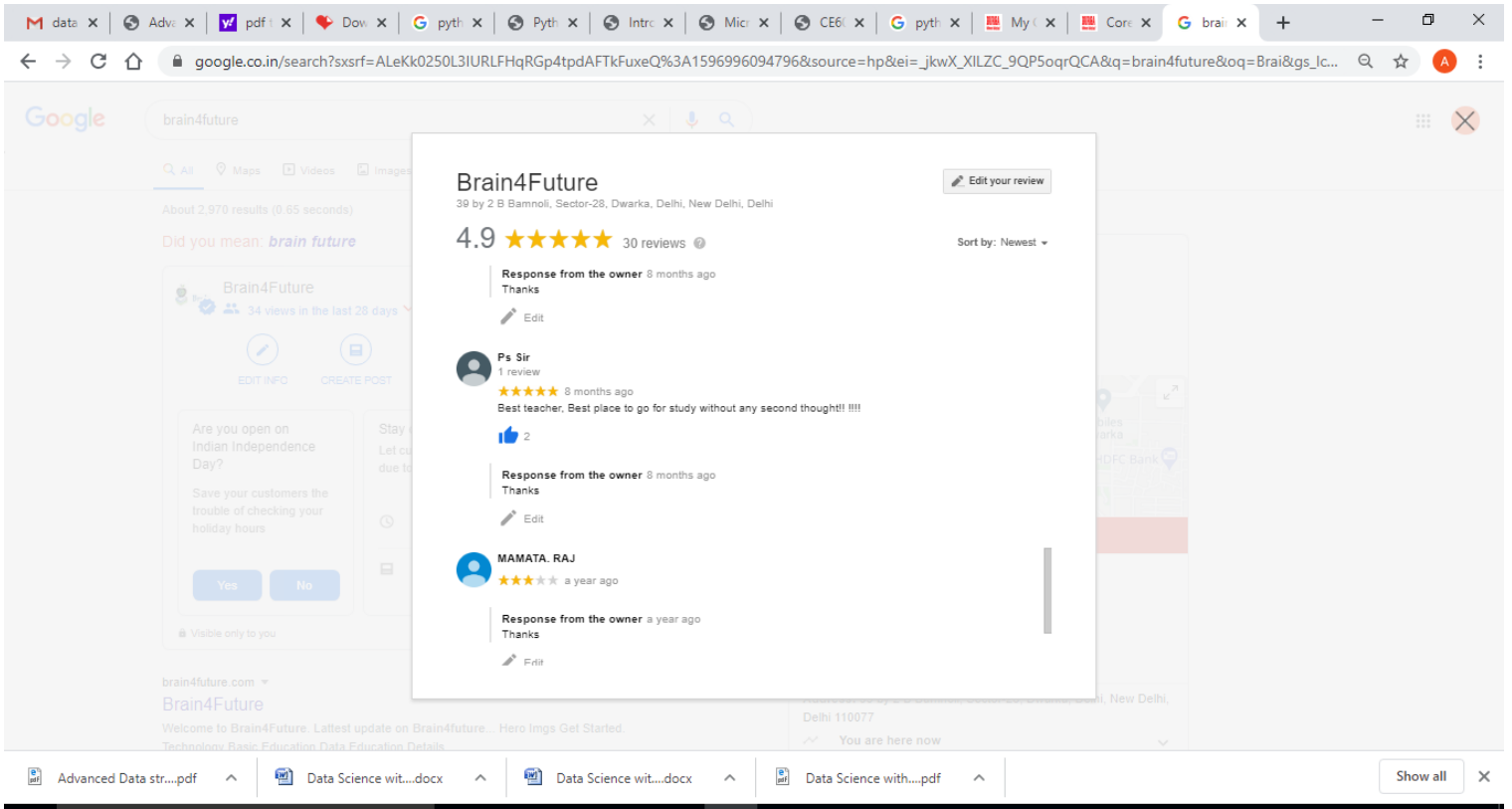
Mob:8800110345,7217834510

COURSE FEE Rs 3500 only
How to do Payment, contact to above number.

REVIEW BY STUDENT



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2
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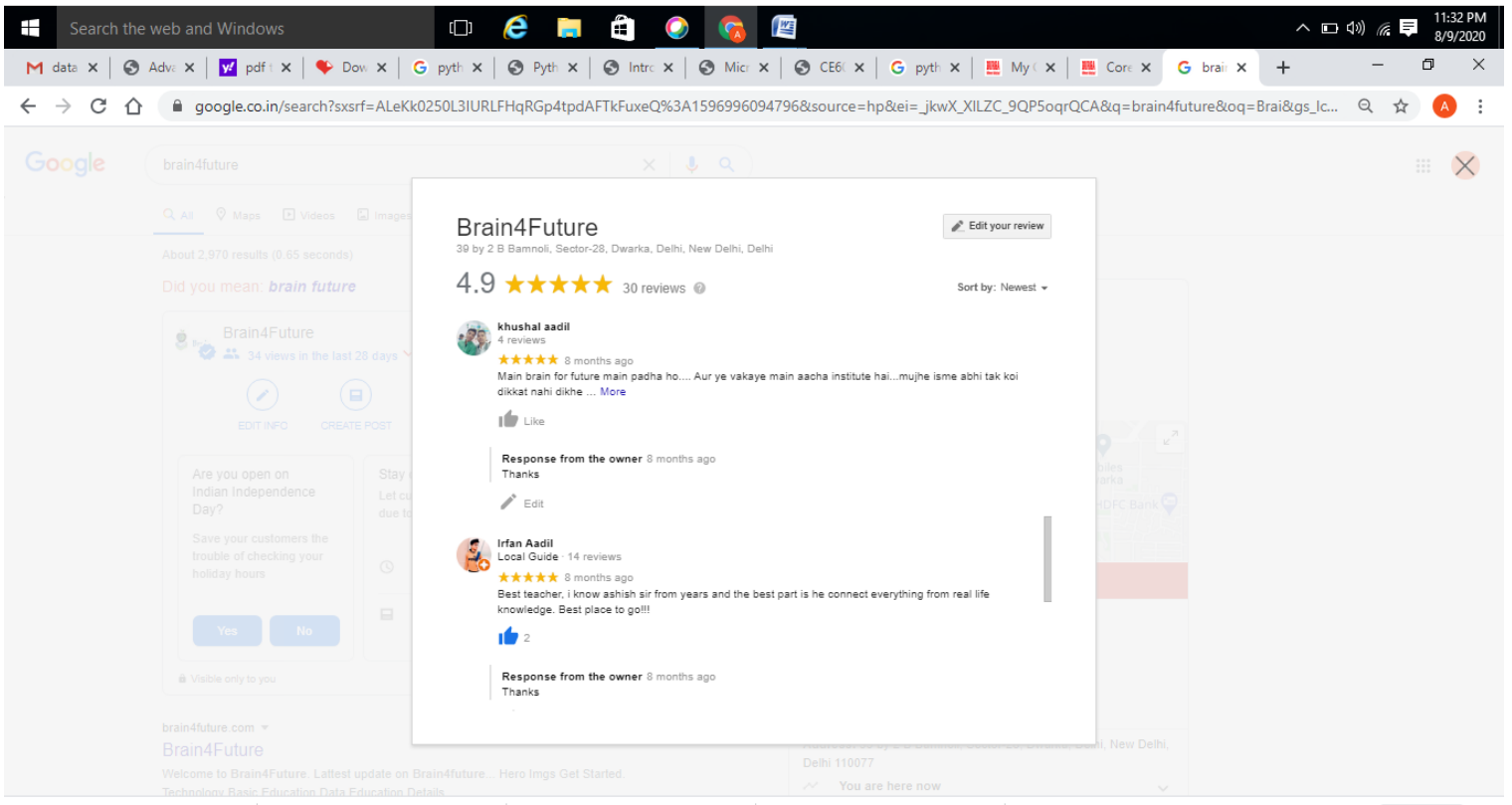
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