

SONU KUMAR

☎ (+91)6005363493

📍 Mumbai, India ✉ sonu.nitsri615@gmail.com

 [LinkedIn/sonu615](#)

Objective

I am enthusiastic and extremely motivated in upskilling myself as a Software Engineer. Seeking a responsible position as a Python Developer in an organization, where my knowledge and experience contribute to the accomplishment of organizational goals and self.

Experience

DEPUTE.IN

Feb 2023 – Present (Python Developer)

- Built a website from the scratch using HTML, CSS and JavaScript to create a responsive and visually appealing user interface.
- Currently developing a link shortening and link tracking system using Python and the FastAPI framework, integrating database management for efficient data storage and retrieval.
- Currently working on implementing a chat system using web sockets to enable real-time communication between users.
- Proficient in managing and manipulating data using SQL and MySQL database management system, including tasks such as data insertion, updates, querying, and deletion.

DEPUTE.IN

April 2022 – Jan 2023 (Software Engineer Intern)

- Implemented Object-Oriented Programming (OOP) concepts and utilized Python modules such as Pandas and NumPy for data analysis, cleaning, and manipulation.
- Leveraged Python to develop an in-house email sender application that automated the process of sending emails to multiple recipients, significantly reducing the time and effort required for manual email communication within the organization.

Self -Employed

Nov 2019 – Mar 2022

- Took a career break to focus on preparing for the UPSC exam, which required extensive self-study and dedicated effort.

KPIT

July 2019 – Oct 2019 (Software Developer)

- Utilized Python to perform essential file (.csv, .txt) operation, including reading, filtering, and writing data to create new files.

Technical Skills

- Programming Languages: Python, SQL, C
- Web Development: HTML, CSS, Django
- Database: MySQL
- Data Structures: Arrays, Linked Lists, Stacks, Queues
- Algorithm: Searching, Sorting (Quick Sort, Merge Sort, Bubble Sort)
- Version Control: Git, GitHub

Courses

CS50x by David Malan (Harvard University)

- This is an introduction to the intellectual enterprises of computer science and the art of programming where I have developed fundamental skills in computer programming through comprehensive studies in C, Python, Data Structure & Algorithm, and SQL.

CS50P by David Malan (Harvard University)

- Acquired a strong understanding of Python programming language through hands-on experience in a real-world setting. Developed skills in exception handling, debugging, incorporating external libraries, implementing object-oriented programming concepts, and reading and writing files.

Data Structure and Algorithm by Tim Roughgarden

- Understood the concept of time complexity of various problem using Divide and Conquer method.
- Implementation of Merge sort, Quick sort and various searching and sorting Problem.
- Learn about basic of Graph, and implement algorithms like BFS, DFS and Shortest Path. Learn to implement the Data structure like Heaps, Stack, Queue etc.
- Learned the basics of graphs, and implemented algorithms like breadth-first search (BFS), depth-first search (DFS), and shortest path algorithms for graph traversal.
- Implemented important data structures like heaps, stacks, queues and more for efficient data storage and retrieval.

Education

- **B.Tech (2015– 19)**
Electronics and Communication Engineering, NIT Srinagar
CGPA :- 7.3
- **Intermediate (2013– 15)**
PCM Stream, St. Kabir College (BSEB)
Percentage :- 79

Hobbies

- Reading Novels
- Cricket

Language

- English
- Hindi