JAYVARDHAN RATHI, RA1911003010186

Course: **B.Tech**, Computer Science and Engineering, 2023
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SRM INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS X	The Shishukunj International	CBSE	87.4 %	2017
CLASS XII in SCIENCE	The Shishukunj International	CBSE	88.8 %	2019
B.Tech	SRM Institute of Science and Technology - Kattankulathur Campus		9.33 CGPA	2023

SUMMER INTERNSHIP / WORK EXPERIENCE

Python Developer, Technocolabs — Jul 2020 - Aug 2020

- Built a full stack weather app to display all kinds of weather data, from temperatures, to wind speeds, to humidity levels.
- Followed the Iterative Enhancement Model for the making of the project
- Completed all the assigned tasks before the stipulated timeline and bagged a Letter of Recommendation
- Tech Stack : PyOWM API, Python, Streamlit and Matplotlib

PROJECTS

URL Shortner - Full Stack Development — Nov 2021 - Nov 2021

- It works by transforming any long URL into a shorter, more readable link.
- Generates a random new URL for any given link
- A minimalistic front end for a better user experience
- Tech Stack : NodeJS, ExpressJS,MongoDB
- Github Link

Sorting Visualizer - Data Structures & Algorithms — Aug 2021 - Sep 2021

- Visualizes the internals of algorithms
- Shows the sorting in real time with animations
- Implemented various stable sorting algorithms
- Collaborated with other open source peers to fix the issues and implement new features
- Github Link

Weather App - Data Visualization — Jul 2020 - Aug 2020

- A fullstack python app to get various weather updates
- Used Matplotlib for creating bar graphs and line graphs
- Used the Python Open weather Map API to fetch all the data
- Tech Stack : Python,Streamlit frontend
- Github Link
- Live Demo

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Python (Basic)	Hackerrank	The test covered topics like Scalar Types, Operators and Control Flow, Strings, Collections and Iteration, Modularity, Objects and Types and Classes
Problem Solving (Basic)	Hackerrank	The test covered basic topics of Data Structures (such as Arrays, Strings) and Algorithms (such as Sorting and Searching).

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Object-Oriented Data Structures in C++	Coursera	Topics covered by this course included basic object-oriented programming, the analysis of asymptotic algorithmic run times, and the implementation of basic data structures including arrays, hash tables, linked lists, trees.
Python Data Structures	Coursera	This course will introduce the core data structures of the Python programming language. We will move past the basics of procedural programming and explore how we can use the Python built-in data structures such as lists, dictionaries, and tuples to perform increasingly complex data analysis.

POSITION OF RESPONSIBILITY

Member - Next Tech Labs   Feb 2020 - Present
Member at SRM's multi-disciplinary undergraduate research lab
Made projects related to Python and NodeJS

COMPETITIONS

Hack Jaipur 2020   Jun, 2020
Our group's idea was to use summarization methods for an office environment. It is used to summarize meetings by converting speech to text. The text file is then sent to the summarizer to generate a summary. We have also built an optical character recognition system so that we can extract text data from PDF and convert it to a text file and this text file will also be fed to the summarizer.

VOLUNTEER EXPERIENCE

Crio.Do - Role: Crio Creator | Cause: Science and Technology   Jan 2021 - Jan 2021
Link to the content created - https://www.crio.do/projects/python-weather-app/
- Created Instructional Design for the project.
- Developed Project Flow Diagrams for easy understanding of the tasks.
- Added necessary references for in-depth exploration of the concept.

NSS - Role: Student Volunteer | Cause: Environment   Dec 2019 - Mar 2020
I took part in multiple awareness programs relating to topics ranging from sanitation to environment cleanliness. I also participated in a cleanliness drive in my college with the aim to clean our surrounding areas.

EXTRA CURRICULAR ACTIVITIES

Technical Blogging
- Have been writing technical articles on Medium explaining various difficult concepts in an easy way
- Composed a technical tutorial for a project that I made which served as a learning resource for many software developers
- https://www.crio.do/projects/python-weather-app/
- https://medium.com/syntechx/dank-learning-making-memes-with-deep-learning-a08b13936801
- https://medium.com/@ourmine/data-visualization-using-matplotlib-11bb7df1d36

PERSONAL DETAILS

Date of birth: 03 August 2001	Father's name: Aniruddh Rathi
Permanent address: 103 Krishna Harmony 14/2 New Palasia, Indore, Indore, Madhya Pradesh, PIN - 452001	Languages known: English, Hindi
Permanent contact number: 7000980510	Nationality: India
Passport availability: Yes	