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EDUCATION

- Career Accelerator Program**
Prepleaf By Masai, Bengaluru
Feb 2023 - Present
- Bachelor of Technology [Electrical & Electronics Engineering]**
Sagar Institute of Research & Technology, Bhopal
July 2020 - Present

TECHNICAL SKILLS

- Python | Basic DSA |
- Responsive Web Design | HTML5 |
- Git | CSS3 | JavaScript

SOFT SKILLS

- Problem Solving |
- Effective Communication |
- Time Management | Adaptability |
- Leadership

INTERESTS

- Badminton
- Traveling

CERTIFICATIONS

- Python (Basic)
- Problem Solving (Basic)
- Python Essentials 1

Rishabh Kumar Sonkar

Algorithm Developer Intern

PROFESSIONAL SUMMARY

Dynamic algorithm developer with a solid foundation in data structures and algorithms (DSA) and expertise in Python programming. Committed to implementing cutting-edge algorithms and optimizing their efficiency. Proven ability to collaborate effectively with teams and adapt to evolving project requirements. Continuous learner with a passion for staying updated with the latest advancements in algorithm development.

PROJECTS

1. Terminal-Based Maze Solver | 🧠

Python | Git & GitHub | ANSI escape codes

- Implemented maze generation algorithms like Recursive Backtracking, Prim's Algorithm, and Randomized Prim's Algorithm.
- Implemented pathfinding algorithms like Depth-First Search, Dijkstra's Algorithm, and Breadth-First Search.
- Utilized Python libraries such as random and os for generating random numbers and clearing the terminal screen.
- Took individual responsibility for designing and implementing maze generation and pathfinding algorithms.

2. Social Media Content Downloader | 🧠

Python | github

- Developed a Python-based tool for downloading social media content efficiently.
- Leveraged Instaloader and Pytube libraries to enable seamless content retrieval from Instagram and YouTube platforms.
- Implemented Instaloader library to fetch data from Instagram, facilitating efficient content extraction.
- Utilized Pytube library to download both video and audio content from YouTube, ensuring comprehensive media acquisition capabilities.

3. Terminal Typing Master | 🧠

Python | JSON | Git & Github

- Developed a terminal-based application for testing typing speed using Python, JSON, Git, and Github.
- Designed and implemented a user-friendly interface with clear menu options and prompts for user interaction.
- Created a dynamic typing test feature offering a variety of word categories and measuring typing speed (WPM).
- Implemented a leaderboard functionality to record and display users' typing speeds, fostering competition and improvement.
- Utilized JSON files for persistent data storage, ensuring continuity and enabling future expansion of the application.

ACHIEVEMENTS

- Nasa SpaceApps Hackathon 2023, Hack2skill
- Topper in 3rd Semester, Sagar Institute of Research and Technology
- The Rajasthan IT Day Hackathon 2023, PW Skills