

# Pulkit Tiwari

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## EDUCATION

**University of Petroleum and Energy Studies**

*B.Tech Computer Science (CSF)*

Dehradun, India

*Aug 2023 – Current — Current GPA:7.75*

## PROJECTS

**Desktop Cleaner / Python, CLI, Automation**

2024

- Developed a Python script to automatically organize and clean desktop files by categorizing them based on file types.
- Implemented a customizable folder structure, allowing users to modify sorting rules and exclude specific file types.
- Designed an intuitive command-line interface for easy execution and user interaction.
- Optimized file-handling operations to improve script efficiency and ensure seamless automation.
- Maintained and documented the project on GitHub, enabling open-source collaboration and contributions.

**Universal Web Crawler / Python, Scrapy, Web Scraping**

2024

- Developed a Python-based web crawler using the Scrapy framework to extract structured data from web pages efficiently.
- Implemented configurable start URLs and domain restrictions, allowing users to customize crawling behavior.
- Designed data extraction logic to scrape page details such as URLs, titles, and body content, exporting results in JSON or CSV format.
- Optimized crawling strategies to improve performance and handle large-scale data extraction with minimal resource usage.
- Maintained and documented the project on GitHub, enabling community contributions and future enhancements.

## SKILLS

**Programming Languages:** Python, Java, C, JavaScript, SQL, HTML5, CSS, Tailwind CSS, MERN Stack

**Tools/Platforms:** Git/GitHub, VS Code, Jupyter Notebook, Photoshop

**Libraries/Frameworks:** Pandas, NumPy, Matplotlib

## EXPERIENCE

**Jhanvi Women Empowerment Organization / Social Intern**

Jun 2023 – Jul 2023

- Planned and conducted health awareness seminars, educating communities on essential healthcare practices.
- Organized and led field visits to assess community needs and implement effective outreach programs.

## ACADEMIC/EXTRA-CURRICULAR ACHIEVEMENTS

**Cloud Security Alliance Student Chapter, UPES / Public Relations Core Team Member** 2024 – Present

- Organized and managed multiple successful events, enhancing outreach and engagement within the cybersecurity community.
- Developed strong networking and communication skills by coordinating with industry professionals and student participants.
- Executed strategic public relations initiatives to improve visibility and increase student participation in CSA events.

**Hypervision Student Chapter, UPES / Technical Core Team Member**

2024 – Present

- Contributed to technical projects, improving problem-solving and analytical skills through hands-on experience.
- Utilized Excel and other technical tools for data analysis, project execution, and reporting.
- Collaborated with a cross-functional team to ensure smooth execution of technical events and workshops.