

Pranshu Tripathi

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WORK EXPERIENCE

Software Intern

July 2024 - Dec 2024

Nielsen

- Streamlined infrastructure management by automating the creation and destruction of clusters, updating the database with cluster status, and integrating email notifications for DAG completion, reducing manual effort and enhancing operational efficiency.
- Enhanced system reliability by setting up robust monitoring and alerting for Kubernetes clusters, enabling proactive issue resolution.
- Improved debugging and compliance by enabling YARN log aggregation for Spark jobs in a Hadoop cluster and automating archival to Amazon S3.
- Secured sensitive configurations and credentials by leveraging AWS Parameter Store for streamlined and secure access.
- Skills: Airflow, Python, pyscopg2, Boto3, Grafana, Loki, Prometheus, Hadoop, YARN, AWS

Teaching Assistant

Jan 2024 - May 2024

Foundation Of Data Structure and Algorithm

BITS Pilani

- Organizing practice material, providing academic support and helping in administration.
- Teaching and resolving doubts regarding the practical implementations of the algorithms.

Startup Analyst

May 2023 - Jul 2023

Pilani Innovation and entrepreneurship development society

Project Lead

- Sourced promising startups aligned with investment criteria, fostering strategic partnerships. Evaluated startup viability, assessing financial, market potential, and team capabilities, facilitating informed funding decisions.
- Basic portfolio analysis for PIEDS
- Sourced and analyzed 3 times more startups than the target

EDUCATION

Birla Institute of Technology and Science, Pilani

Apr 2021 - May 2025

BE in Electronics and Instrumentation

Goa, India

- Relevant Coursework: Computer Programming, Foundation of Data structure and Algorithm, Object Oriented Programming, Cloud Computing

Little Flower House

Apr 2018 - Apr 2020

Higher Secondary (CBSE)

Varanasi, India

- Class 12 (PCM): 91%

St. Mary's convent school

Apr 2008 - Apr 2018

Secondary (CBSE)

Varanasi, India

- Class 12 (PCM): 91%

PROJECTS

E-commerce Data scraper

[Project Link](#)

- Cloud-deployed web scraping system to extract, clean, and pipeline e-commerce data into an SQL database, leveraging proxy rotation and fake headers to ensure anonymity.
- Utilized Scrapy for efficient spider deployment and management, enabling robust and reliable data acquisition.
- Skills: Scrapy, Python, SQL

Gesture-Controlled Interactive Presentation And Painting System

[Project Link](#)

- Real-time hand gesture control for interactive presentations and virtual painting, utilizing hand tracking for dynamic slide navigation, pointer control, and drawing features.
- Skills: MediaPipe, OpenCV, Python.

TECHNICAL SKILLS

Languages: C++(proficient), Python(beginner), Javascript(beginner)

Frameworks and Libraries: React Js, Scrapy, OpenCV, MediaPipe

DevOps: RestAPI, AWS, Grafana, Prometheus, Docker, K8s, Linux, Airflow

Databases: MySQL, Postgres, MongoDB