TANISHQ RAWAT

Ujjain, Madhya Pradesh

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Education

Acropolis Institute of Technology and Research, Indore   **August 2019 - May 2023**

Bachelor of Technology in Computer Science and Engineering (CGPA of 8.10)   *Madhya Pradesh, India*

Technical Skills

Languages: C, C++, Python, Java, JavaScript, SQL, Shell
Frameworks/Platforms: Azure, Databricks, pySpark, Flask, Numpy, Matplotlib, jQuery, Git
Area of Interest: Data Engineering, Machine Learning, Full Stack Development

Experience

Mobileum Inc.   **Aug 2022 – Present**

Software Engineer - 2 (Apr 2024 – Present)   *Bangalore, India*

- Migrated and optimized **ETLs** from the in-house tool to **Azure cloud** environment increasing the performance by **40%** handling **100,000 records/min**.

Software Engineer - 1 (Aug 2022 - Mar 2024)   *Bangalore, India*

- Created **data pipelines** using pySpark, Azure Databricks & Data Factory for our Data Analytics product.
- Developed 14 different data analytics dashboards using **Django & jQuery** based on various telecom metrics.
- Automated various utility tasks related to data dump from different data sources using shell script & python.

Cerebry   **Aug 2021 – Feb 2022**

Software Development Engineer Intern   *Singapore*

- My role was to generate latex for displaying math questions using Python based on various parameters.
- I lead a team to create a framework to extract text from images and convert it to latex for removing manual conversion.

Thinking Machines   **Jan 2020 – Feb 2021**

Software Development Engineer Intern   *Remote*

- Developed backend features for an Enterprise billing system, optimizing functionality and enhancing user experience.
- Created a JavaScript framework similar to jQuery for creating customized components for web application development.

Projects

Formula 1 Analysis | *PySpark, ETL Pipelines, Azure Databricks, Azure Data Factory* | View Demo

- Formula 1 Analysis is a data analysis project that performs various analyses on Race data of Formula 1 of the year 1950 - present. Wrote ETL to process the data into different layers using Azure Data Factory.
- Performed analysis to determine the most dominant driver, most dominant team, best lap time, best average lap time and presented the analysis in Azure Databricks Dashboard

PhotoLab | *Python, OpenCV, Image Procesing* | Demo | Source Code

- PhotoLab is a photo editing tool implementing various Image Processing algorithms, it has a user-friendly interface and various features for editing pictures
- No external library was used to implement image processing algorithms. All the algorithms are written from scratch

InterviewPro | *Python, Flask, jQuery, codeMirrorJS* | Visit platform

- InterviewPro is a platform where students can prepare for their placement opportunities.
- It allows users to appear for MCQ tests, code using our online coding area, and book mock interviews.

Achievements

- **Star Performer Award** recipient at **Mobileum** for my exemplary contribution in Quarter 1 & 3 for year 2023
- Qualified for **Semi-Finals** of **FlipKart Grid 4.0** in 2022 and **Uber HackTag** in 2022
- Achieved **State Rank 1** (GOLD Medalist) in IOM 2019 in Stage 1 and **State Rank 3** in Stage 2
- Solved over **500 problems** on **Leetcode** (Username: tanishqrawat8)