TANISHQ RAWAT

Ujjain, Madhya Pradesh

📞 +91 8982416479   ✉ tanishqrawat8@gmail.com   ⌽ tanishq0917t   Ⓜ tanishq0917t

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*

Experience

Mobileum Inc.   **Aug 2022 – Present**
Associate Software Engineer   *Bangalore, India*

- Worked on the Back-End development of a captive portal for **Verizon**. The product was called Roaming Usage Manager. My role was to process event files received in the form of messages that were extracted from **Apache Kafka**. My feature handled over 100,000 events per minute and improved the **performance by 40%**
- Worked on creating a **data analytical tool** for organizations **T-Mobile, Verizon Wireless, Starhub, Rakuten and AT&T**. My role is to write **ETL** and perform changes in binaries for previous release bugs.

Cerebry   **Aug 2021 – Feb 2022**
Software Development Engineer Intern   *Singapore*

- My role was to develop mathematical logic using an AI Framework based on Python and Prolog.
- I was part of the team to create a Utility Framework to convert mathpix LaTex to organization parser-supported LaTex.

Thinking Machines   **Jan 2020 – Feb 2021**
Software Development Engineer Intern   *Remote*

- I worked on the project for creating a customized web server in C++ which was used in IOT applications.
- I worked on a project to create a JavaScript framework similar to jQuery for creating customized components for web application development.

Projects

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

Viper HTTP Web Server | *C++, Socket Programming and HTTP Protocols* | Source Code | Research Paper

- Viper is an HTTP Web Server built using C++ and socket programming. It has two editions.
- Edition One can serve static web applications and Edition Two can serve static and dynamic web applications.

Magic Framework | *JavaScript* | Source Code

- It is a custom javascript frontend framework used to design component which can ease the web application development.

Achievements

- 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 **450 problems** on **Leetcode** (Username: tanishqrawat8)

Certifications

- Programming with Everybody: Python (Coursera)
- AWS Fundamentals (AWS Academy)
- Data Structures and Algorithm in C++ (Coursera)

Technical Skills

Languages: C, C++, Python, Java, HTML/CSS, JavaScript, SQL, Shell
Frameworks: Kafka, Sklearn, Matplotlib, OpenCV, Tensorflow, AWS, Flask, jQuery, ReactJS
Area of Interest: Machine Learning, Full Stack Development, Image Processing