

MAHAK RASTOGI

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Education

Graphic Era Hill University

Bachelor of Science in Computer Science

July 2019 - May 2023

Dehradun, Uttarakhand

Experience

LTIMINDTREE

Feb 2023 - May 2023

INTERN - HTML, Css, JavaScript, Java, MongoDB, MySql

- Contributed to the development of a web-based inventory management system using **Java, JDBC, and MySQL**, ensuring efficient data storage and retrieval.
- Collaborated in the design and implementation of frontend components using **HTML, CSS, and JavaScript**, prioritizing user experience.
- Utilized the MongoDB Java Driver to manage and query over **10,000 customer** data records.

Samsung

Jun 2021 - Dec 2021

INTERN - DynamoDb, S3, RedShift, Hibe, MySql

- Leveraged **DynamoDB On-Demand** Capacity mode to manage unpredictable traffic patterns, **optimizing costs by 20%** for workloads with varying read/write activity.
- Integrated **Amazon S3 with CloudFront**, **reducing user response times in Europe by 40% while achieving a 15% decrease in data transfer costs**. This optimized content delivery for our global user base and improved overall website performance.
- Architected a robust **Redshift data warehouse** solution, **improving query performance by 30%** and enabling real-time insights for a company-wide analytics initiative.

CAMPING BEAR

July 2022 - Sept 2022

INTERN - Excel, Tableau

- Utilized **Tableau and Excel** to analyze camping equipment marketing data, resulting in data-driven advertising strategies.
- Created **impactful Visual Reports** and Dashboards to facilitate data-driven.
- Successfully conducted a year-long sales analysis, **revealing a significant 58% Increase in Sales** after the company's adoption of online marketing platforms like Google Ads and YouTube.

Projects

MENTALLY | Flutter

- Created a **Flutter App** with a wide range of features, including meditation, yoga for all levels, and a personal diary, to address global mental health concerns.
- Implemented an intuitive and **Aesthetically Pleasing User Interface**, enhancing user engagement and overall experience.

HAND GESTURE RECOGNITION | TensorFlow, OpenCV

- Collected, preprocessed, and labeled a custom hand gesture image dataset to train the deep learning model.
- Developed a cost-effective application using **CNN for Real-Time Sign Language capture** and translation into text.
- Identified and implemented the Canny edge algorithm, **achieving 98% accuracy in gesture recognition**, and used TensorFlow-based Keras for Deep Learning Classification.

Skills

Frontend Css, HTML, JavaScript .

Database : DynamoDb, MongoDB, SQL .

Languages : JavaScript, C++, C, Java .

Developer Tools: VS Code, Vim, Sublime Tex Git, Github .

Frame Work : Flutter, TailwindCss, Bootstarp.

Course Work : Data Structure, Algorithms Analysis, Database Management,