Yash Tariyal

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Skills

Languages: C/C++, Java, Python, JavaScript, TypeScript, SQL

Technologies & Tools: AWS, GCP, MySql, S3, Postgre SQL, Elasticsearch, Git, Github, Maven, Presto, Kibana, Docker, Splunk, Kafka, Spring, Angular, ReactJS.

Work Experience

TCS, Gurugram Aug 2023 - Present

Systems Engineer

- Developed APIs to decouple services, resulting in a 20% efficiency improvement over the previous monolithic architecture.
- Optimized code to enhance runtime and uptime, contributing to a 10% overall increase in organizational efficiency.
- Utilized Kafka for intra-communication between APIs, increasing inter-API communication efficiency by 10%.
- **Tech Stack :** Java, PostgreSQL, Jenkins, Kafka, QPP, Git, Maven, SpringBoot, MySQL.

ONGC, Dehradun Jun 2022 - Aug 2022

Summer Intern

- Developed a sophisticated auto-complete feature leveraging Elastic Search and Python, significantly enhancing document keyword search capabilities. Improved search efficiency by 60% and reduced user query time by 35%.
- **Tech Stack :** Elastic Search, Kibana, Python, HTML, CSS, JavaScript.

Education

Graphic Era Hill University Dehradun Aug 2019 - Jun 2023

B.Tech in Computer Science and Engineering *CGPA: 8.86/10*

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing.

Project Work

- **Face Recognition Attendance System (2023):** Attendance System in which Attendance is marked using facial recognition with the help Open Cv and Face recogn library.In this you can register your face first then it will mark your attendance according to that.
  Tech Stack : Python, Face Recognition, OpenCv.
- **iNotebook (2022):** Developing and persisting user notes within the application, incorporating login and signup functionalities for secure authentication.
  Tech Stack : HTML, CSS, JS, API, MERN Stack,Git.
- **Alternative-Routes in Road Networks (2022):** Implemented Dijkstra's shortest path algorithm to calculate optimal routes in a simulated road network with dynamic traffic conditions. Developed collision avoidance mechanisms by dynamically adjusting vehicle speeds.
  Tech Stack : HTML, CSS, JS, C++, OpenGL.
- **Vaccination Centre Finder (2021):** Designed a feature allowing users to locate nearby COVID-19 vaccination centers using a live map interface, enabling seamless booking of vaccine appointments.
  Tech Stack : HTML, CSS, JS, Google Maps API, Cowin API,Git.

Awards and Certificates

- Certified in Google Cloud Fundamental Core and IT Support Fundamentals.
- Gained 34Th Rank in Cloud Dev Jam 2021 Organized by Google.
- Qualified For the ML Summer School 2022 Organized By Amazon.
- Qualified among top 100 in Neural Hack Season 6 Organized By Virtusa.