





# Lokesh Sharma

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**Indian Institute of Technology Guwahati, India**  
Bachelors of Technology in Electronics and Electrical Engineering

Jul 2020 - Jun 2024

## EXPERIENCE

- Apple (Client via Infosys)** Dec 2024 - Current  
*Software Engineer - Client Project* Hyderabad
  - Optimised performance and reduced latency by 100x in a real-time streaming **ETL pipeline** using **Apache Kafka** and Apache Spark's **Structured Streaming** in **Java**, focusing on optimizing data extraction, transformation, and loading between **Kafka topics**.
  - Migrated legacy monitoring scripts from **Cloudera CM API (Python 2.7)** to **Cloudera CM Client** and upgraded to Python 3.10, ensuring compatibility with the newly implemented **CDP Cluster** environment.
  - Updated **YARN Resource Manager** scripts to reflect changes in resource scheduling, transitioning from **Fair Resource Scheduler** to **Capacity Scheduler** while ensuring seamless adaptation to the new format.
- Infosys** July 2024 - Nov 2024  
*Software Engineer* Mysore, Hyderabad
  - Gained hands-on experience in **data warehousing**, **data modeling**, and **big data processing** using **Hadoop**, **Hive**, **Spark**, **PySpark**, **Scala**, and **Kafka**. Developed batch and real-time ETL pipelines.
  - Learned **Scala** and applied **functional programming** principles to build scalable and high-performance applications.

## PROJECTS

- ParLok** Nov 24 - Current  
*Personal Project* Github
  - Developed a comprehensive e-commerce website for a **Jewellery store** using **Scala** and **Play Framework**, integrating **MongoDB** for efficient product and user data management.
  - Implemented a seamless **shopping cart**, **checkout process**, and **user authentication** system, along with secure payment processing using **Stripe** for online transactions.
  - Built a responsive UI using **HTML**, **CSS**, and **JavaScript**, ensuring a smooth and intuitive shopping experience across devices and platforms.
  - Key Technologies** : Scala, Play Framework, MongoDB, Stripe API, HTML, CSS, JavaScript
- Meet Hub** July 23 - Aug 23  
*Personal Project* Github
  - Developed a web-based **video conferencing** platform to simplifies meeting initiation and access through unique access codes, supported by secure **user authentication** using Gmail IDs.
  - Seamlessly integrated **real-time audio**, **video**, and **chat** capabilities to create a holistic and interactive experience.
  - Implemented a user-oriented **whiteboard** for participants, featuring seamless **screen sharing** and **recording** options.
  - Key Technologies** : WebRTC, Socket.IO, EJS, PEER JS

## ACHIEVEMENTS

<b>Competitive Programming: Codeforces Expert</b> (Max Rating: <b>1711</b> )	profile
<b>Codeforces Round 905:</b> Secured <b>Global Rank 121</b> among 25,000 participants.	
<b>Joint Entrance Examination 2020 (Advanced):</b> Secured <b>3498</b> rank among 0.15 million candidates.	2020
<b>Joint Entrance Examination 2020 (Mains):</b> Secured <b>3459</b> rank among 0.15 million candidates.	2020

## TECHNICAL SKILLS

**Programming Languages:** Java, Scala, C++, Python, C  
**Web Technologies:** HTML, CSS, Express, EJS, JavaScript  
**Big Data:** Hadoop, Hive, Spark, PySpark, Spark Streaming, Apache Kafka  
**Miscellaneous:** MySQL, MongoDB, Unix, Numpy, Pandas, Matplotlib

## EXTRACURRICULAR ACTIVITIES

<b>Peer Mentor:</b> Served the Saathi Counselling Cell under the Students' Welfare Board as a mentor.	Oct 2022-May 2023
<b>Service Management Committee:</b> Played an active role in optimizing hostel service management.	May 2023-Mar 2024
<b>Tedx IIT Guwahati:</b> Actively contributed as a member of the Media team for Tedx IIT Guwahati.	May 2022-Feb 2023
<b>Athletics Club IIT Guwahati:</b> An active member of Athletics Club IIT Guwahati.	Mar 2021-May 2024