Lokesh Sharma

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EDUCATION

Indian Institute of Technology Guwahati, India   Jul 2020 - Jun 2024
Bachelors of Technology in Electronics and Electrical Engineering   GPA: 6.91/10.0

EXPERIENCE

- **Infosys**   *July 2024 - Current*
  Specialist Programmer   Mysore, Hyderabad
  - Completed a 3-month intensive training program focusing on **Big Data technologies** including Hadoop, Hive, Spark, PySpark, Spark Streaming, and Apache Kafka.
  - Developed hands-on expertise in distributed data using **Spark**.
  - Learned **Scala** and **functional programming** principles, developing proficiency in functional programming paradigms for scalable, high-performance applications.

PROJECTS

- **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

- **Rent-A-Ride :**   *May 2023 - July 2023*
  Personal Project   Github
  - Built an innovative web platform that empowers individuals to offer their **vehicles for rent** and enables users to effortlessly **locate** and **lease** vehicles from fellow peers.
  - Utilized **Handlebars** for dynamic front-end, integrated **MongoDB** to facilitate efficient data storage for **User and Vehicle Database.**
  - Enhanced user experience by integrating **Google Maps API** for dynamic car location display and **Stripe API** for secure booking payments.
  - **Key Technologies** : Express, MongoDB, HandleBars , Google Maps API , Stripe API , AWS-S3

- **Graph Algo Visualizer**   *Mar 2023*
  Personal Project   Github
  - Developed an engaging web app for **graph algorithm visualization**, featuring **DFS**, **BFS**, and **Dijkstra's**.
  - Implemented functionalities provide an enriched user experience by offering obstacle integration and dynamic adjustments to starting and ending points.
  - **Key Technologies** : HTML, CSS,Javascript

ACHIEVEMENTS

- **Competitive Programming** : **Codeforces Expert** (Max Rating: **1711**)   *codeforces.com/profile/sharmalokesh*
- **Codforces round 905** : Secured **Global Rank 121** among 25000 participants.
- **Joint Entrance Examination 2020 (Advanced)**: Secured **3498** rank among 0.15 million candidates.   *2020*
- **Joint Entrance Examination 2020 (Mains)**: Secured **3459** rank among 0.15 million candidates.   *2020*

TECHNICAL SKILLS

Programming languages: 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

RELEVANT COURSEWORK

Computer Science: Data Structures and Algorithms, Databases, Operating Systems, Machine Learning
Mathematics: Optimization, Probability and Random Processes, Linear Algebra

EXTRACURRICULAR ACTIVITIES

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