Sagar Kasana

📱 +91-9999572480   ✉ sagarkasana482@gmail.com   💼 LinkedIn   🔗 GitHub   </> LeetCode   👤 Portfolio

Education

Harcourt Butler Technical University   2020 – 2024
B.Tech in Information Technology (IT)   **CGPA: 8.45**

Experience

Tata Consultancy Services (TCS)   June 2024 – Present
Software Developer — C++, Java, Spring Boot, Microservices, Linux, Oracle   *Bangalore, India*
- Contributed as a **Backend Developer** in building and enhancing an enterprise-grade **Anti-Money Laundering (AML)** system, driving automation, risk detection, and regulatory compliance across millions of customer records.
- Built a **watchlist update feature** that automated keyword imports from external sources, eliminated batch failures, and improved daily processing speed by **40%**.
- Integrated **AI-generated risk score ingestion** by parsing CSV data and mapping scores to existing customer entities. Enabled instant alert generation for high-risk profiles based on thresholds, reducing detection time by **100%** compared to previous EOD batch jobs.
- Designed and deployed scalable **RESTful APIs** using Java and Spring Boot to support key AML modules, ensuring secure and maintainable backend services.

Travel Raga Holidays Pvt. Ltd.   Nov 2022 – Dec 2022
Frontend Web Developer Intern (React.js)   *Remote*
- Designed and developed responsive UI components for the company's website using **React.js**, transforming Figma mockups into production-ready code.
- Implemented **lazy loading**, dialog modals, and **React Hooks** (useState, useEffect, useRef) to manage dynamic behaviors, improving performance on slower networks.
- Ensured cross-device responsiveness using CSS Grid and Flexbox, contributing to a **30% drop in mobile bounce rate**.

Projects

IPL Auction Management System   GitHub
Spring Boot, WebSocket, MySQL, JWT, React.js, Material UI
- Built a full-stack IPL auction platform using **Spring Boot** and **React.js**, featuring real-time bidding, player statistics, team management, and **JWT-based role authentication**.
- Integrated **WebSocket** for live bid broadcasting and synchronized auction updates across connected users.
- Implemented **pagination**, **sorting**, **filtering**, and dynamic **search** to enhance user experience and frontend responsiveness.
- Designed a responsive and modular UI using **React.js** and **Material UI**, with reusable components like player cards, team dashboards, and bid modals.

Technical Skills

Programming Languages: C++, Java, SQL , JavaScript.
Frameworks Tools: Spring Boot, Hibernate , React.js , Material UI , Linux, Netlify
Databases: MySQL, Oracle
Version Control: Git, GitHub .
IDEs: VS Code, IntelliJ IDEA, Eclipse,RazorSql , SqlDeveloper
Core CS Subjects: Data Structures Algorithms, Object Oriented Programming (OOP) ,Operating Systems, DBMS, Networking

Achievements

- Contest Rating: **1718 @LeetCode**
- HBTU Tech Fest: **Ranked 3rd** among 25+ teams in a Hackathon
- E.P.I.C IT Challenge: Advanced to Round 3 in the TVS Credit E.P.I.C IT Challenge Hackathon hosted by Unstop in 2022.
- Qualified **JEE Advanced 2020**, one of India's most competitive engineering entrance exams.