SOUHARDYA MALAKAR

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WORK EXPERIENCE

Software Developer Intern *Jan 2024 - June 2024*
Amazon Hyderabad **Letter**
- Interpreted legacy code with limited documentation and successfully fixed my team's approval step.
- Upgraded the approval step with multiple structural changes and added new functionalities, expanding coverage by 3x for all possible scenarios.
- Took ownership of the code, provided ongoing support for changes, documented and updated tier-1 services for regional carriers.
- Performed load testing in preparation for peak to ensure efficient use of available resources.

Freelance Front-End Developer *2022 - 2023*
- **ProjectROI-Lee-waters:** Translated Figma designs into interactive graphs and plots using HTML, CSS, React, and Apex-Charts, achieving pixel-perfect accuracy and optimal performance.
- **Kitefurn:** Executed CSS-heavy animations to enhance user engagement, ensuring cross-browser compatibility and design specifications.

PROJECTS

Lecture Hall Management System **Link**
- **Key Skills:** ReactJS, Express.js, TypeScript, TypeORM, PostgreSQL, Redis, Socket.io.
  - Implemented JWT and bcrypt to secure user/admin profiles, reducing turnaround time by **90%** . Deployed Redis with LFU strategy, reducing login delays by 3x to 1 second.
  - Achieved up to 4.5x speedup in data access with optimized Redis configurations, ensuring fast hall slot retrievals.
  - Used Socket.io for real-time updates to eliminate double bookings and improve efficiency. Integrated Socket.io with Redis for a 4.5x performance boost and consistent data

IntelliStream **Github**
- **Key Skills:** React, Aws Lambda, personalize, S3, Amplify, cognito, comprehend.
  - Architected a server-less AWS movie recommender using React, AWS Lambda, Personalize, S3, Amplify, Cognito, and Comprehend for tailored suggestions based on a user's mood.
  - Deployed AWS Personalize to analyze user interactions and mood for curated movie recommendations.
  - Used AWS Comprehend for sentiment analysis, gauging movie perception and user comment sentiment, and leveraged mood tokens to track and adapt to user behavior.

SKILLS & INTERESTS

Languages : C++, Java, Javascript, Typescript, Python.

Hard Skills : Data Structures, Algorithms, problem-solving, System Design, OOPS, OS, DBMS, Computer Networks.

Technologies : AWS, NodeJs, React, ExpressJs, SQL, Redis, Socket.io, Git.

Soft Skills : Leadership, Teamwork, Communication, Adaptability, Time Managament.

Interests: Competitive Games, Puzzles, Music, Badminton, Hackathons.

ACHIEVEMENTS

- Reached **pre-finals** of HackOn With Amazon **2023**, top **50** out of **12000+** teams
- **Top 15** in Internal Hackathon, Qualified for **National Smart India Hackathon 2023**
- Global Rank **122** July Lunchtime 2022 Division 3
- **Codeforces Round #894:** Secured Global rank **749** among 30,000 participants.
- **Codeforces Round #806:** Secured Global rank **802** among 30,000 participants.

EDUCATION

LNM Institute of Information Technology *2020 - 2024*
B.Tech. - Computer Science and Engineering CGPA: 7.08 / 10.00

OTHER PROFILES

- GitHub - GitHub
- LeetCode - LeetCode
- Codeforces: revox216