UDBHAV SHARMA

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Education

Indian Institute of Technology (Indian School of Mines) Dhanbad, India **Dec 2020 – May 2024**
Bachelor of Technology in Electronics and Communication Engineering *GPA: 7.90/10.0*

Experience

Paisabazaar.com **July 2024 – present**
Software Development Engineer *Gurgaon, India*

- Developed RESTful APIs using Node.js and Express.js to retrieve and serve user account factors (payment history, credit utilization), reducing agents response time by 40%.
- Developed React components to visualize user account data (payment history, credit utilization) on the agent dashboard, integrating with backend APIs to enhance data visibility and usability for agents.
- Wrote comprehensive unit test cases for both frontend React components and backend functionalities, achieving 80% code coverage and reducing the number of bug reports in these areas by 30%
- Optimized the dashboard loading process by transitioning specific API calls from synchronous to asynchronous and eliminating unnecessary page refreshes post-OTP entry, resulting in a 46% average reduction in login-to-dashboard render time (6.3 seconds to 3.4 seconds).
- Working with technologies like: HTML, CSS, ReactJS, JavaScript, NodeJs, MySQL and Jest.

Standard Chartered Bank **May 2023 – Jul 2023**
Software Development Engineer, Internship *Bangalore, India*

- Built Java RESTful API endpoints to expedite financial PDF access for internal testing, decreasing average retrieval time by 5 mins, and designed a React-based UI to facilitate PDF viewing and validation by testers.
- Worked with various technologies like: HTML, CSS, ReactJS, JavaScript, Java, and Junit.

Projects

Multi-threaded TCP Server | *C++* **Apr 2025**

- Designed and implemented a modular TCP server using OOP principles in C++, leveraging inheritance and encapsulation to extend base server functionality with a custom thread pool.
- Utilized low-level Linux socket APIs (socket, bind, listen, accept) to handle concurrent client connections, and managed threading with thread, mutex, and condition variables.
- Applied OS-level concepts like thread synchronization, blocking I/O, file descriptors, and graceful shutdown using join, RAII, and condition signaling for production-grade reliability.
- Github

ExploreWander | *HTML, CSS, JavaScript, EJS, NodeJs, MongoDB, Mongoose, Express* **Sep 2023**

- Developed a secure, user-authenticated web app for creating, sharing, and exploring camps. Include a rating system for users to rate and give reviews on camps.
- Incorporate a map feature to enhance the user's understanding of the camp's precise location, providing a visual and immersive experience.
- Website, Github

Sports Programming

Codeforces(udbhavsharma) :	Rating: 1604 (Expert)	Problem Solved: 900+
Codechef(udbhavsharma) :	Rating: 2001 (5 Star)	Problem Solved: 100+
Leetcode(udbhavsharma0) :	Rating: 2065 (Knight)	Problem Solved: 500+

Technical Skills

Languages: C++, C, Java, Javascript
Web Development: ReactJs, Redux, HTML, CSS, NodeJs, Material-UI, Express.js, BootStrap
Deep Learning frameworks: Tensorflow
Databases: MongoDB, ClickHouse, MySQL
Other Skills: Data Structures and Algorithms, Object Oriented Programming, Operating System

Achievements

Secured **AIR 65** across all region in **ICPC preliminary round 2023.**
Obtained a global ranking of **980th out of 12K participants worldwide** in **Google Kickstart Round D.**
Obtained a global ranking of **1898 worldwide** in **Meta Hackercup 2023 Round 2.**
Secured a rank of **142 worldwide** in **Leetcode Weekly Contest 365.**
secured **AIR 4496 in IIT JEE Advanced** among 2 lakhs candidates