

MANISHA GUPTA

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Skills

Languages: Java, JavaScript, C, C++ (Beginner)

Web Technologies: HTML, CSS, Bootstrap, Tailwind CSS

Databases & IBM Mainframe: SQL, DB2, IBM Mainframe

Libraries & Frameworks: ReactJS, Redux

Tools: Git, GitHub, Linux, Docker, Visual Studio Code, ERwin Data Modeler

Concepts: Data Structures, Object-Oriented Programming (OOP)

Experience

Broadridge Financial Solutions

Sept 2024 – Present

Member of Technical Staff

Hyderabad, India

- Provided end-to-end database and mainframe support for critical production systems, ensuring high availability, optimal performance, and minimal downtime.
- Developed, implemented, and scheduled DB2 production jobs and utilities such as **COPY, REORG, and RUNSTATS** to maintain data accuracy and system efficiency.
- Created and executed **JCL scripts** for job scheduling, data processing, and batch automation to streamline operations.
- Assisted in **debugging, performance tuning**, and maintaining DB2 databases to ensure seamless integration and reliability across applications.
- Performed **database backups, recovery, and security administration** to safeguard data integrity and compliance.
- Conducted regular **maintenance activities** including reorgs, Image Copies, and space management to optimize DB2 performance.
- Gained hands-on experience with **ERwin Data Modeler** for logical and physical data modeling in support of database design and change management.
- Monitored and resolved **batch abends**, ensuring smooth mainframe job execution and maintaining overall system stability.

Jio Platforms Limited (JPL)

July 2024 – August 2024

Software Engineering Intern

Navi Mumbai, India

- Developed a React.js and React Flow-based **Workflow Generator**, reducing workflow creation time by 25% through real-time updates and seamless user interactions.
- Collaborated with the development team to integrate new features, enhance the functionality of the platform, and improve the user experience by 15%.
- Applied advanced React concepts to optimize component performance, ensuring scalability and responsiveness.
- Refactored and optimized the codebase, achieving a 40% reduction in memory usage and improving overall application efficiency.

OpenText

Oct 2023 – Mar 2024

Software Development Intern

Bangalore

- Developed a React-based **Performance Dashboard** for wireless devices, increasing operational efficiency by 20%.
- Collaborated on SQL database design, ensuring data integrity; utilized Docker and MobaX for node simulation, improving testing efficiency by 20%.
- Contributed to the NNMi Dashboard by leveraging SQL to manage large datasets, reducing data retrieval times by 30%.
- Assisted in troubleshooting and resolving frontend and backend issues, enhancing application stability and user experience.

Education

Lovely Professional University

Bachelor of Computer Science and Engineering (CGPA: 7.74)

Jun 2020 - May 2024

Phagwara, Punjab

SDAR SS COLLEGE

(Percentage: 76.4)

Jun 2018 - May 2020

Saran, Bihar

Shakti Shanti Academy

(Percentage: 92.4)

Jun 2017 - May 2018

Saran, Bihar

Projects

Video Streaming App (ReactJS — Redux)

Aug 2024

- Built a real-time video streaming app with React.js and Redux, achieving sub-1-second latency and supporting 1,000+ users, boosting engagement by 25%.
- Integrated real-time chat with WebSockets, achieving message delivery and boosting usability scores by 45%.
- **Optimized Data Fetching:** Improved video data fetching and rendering performance, reducing load times by 30% and increasing overall user engagement.
- Implemented adaptive bitrate streaming to ensure smooth playback under varying network conditions, improving user experience.
- **Deployed Link:** Video Streaming App
- **Repository Link:** GitHub Repository

Key Master (React.JS, Node.js)

May 2023

- Created a typing accuracy tool, providing real-time feedback with 95% accuracy and supporting over 500 users.
- Implemented a character selection feature, enabling users to choose specific characters, words, or sentences for focused typing practice.
- Added customizable difficulty levels, allowing users to tailor their typing practice according to their proficiency.
- Developed a progress tracking system that visualizes user improvements over time, increasing user retention.
- **Repository Link:** Key Master

Certifications

- MERN Stack Training by Cipher Schools.

Jan 2023

- DSA to Development Course from GeeksforGeeks.

Jul 2024

- Certificate in Java from Udemy.

Jan 2022