

SARWAN KUMAR

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OBJECTIVE

Driven Computer Science student with FinTech experience in software development and data analysis. Skilled in Frontend Development (React.js, JavaScript), API testing, and database management. Experienced in project management, team management, and designing scalable, high-performance solutions. Knowledgeable in object-oriented development, networking, and Linux servers, eager to contribute to the growth and success of an innovative organization.

EDUCATION

Bachelor of Technology in Computer Science & Engineering

08/2021 – Expected 05/2025

St. Andrews Institute of Technology & Management, Gurgaon, India

Relevant Coursework: Data Structures & Algorithms, RDBMS, Object-Oriented Programming, Software Engineering.

EXPERIENCE

- **QA Engineer – Payworld Digital Services, Gurugram, India.** 08/2024 - Present
 - Refund API Integration:** Implemented a **PHP** solution at Payworld to trigger the refund API on transaction failures, ensuring correct credit limit resets.
 - SQL Data Migration:** Developed **SQL** procedures with **CRC32** checksum for data integrity and efficient cross-server data migration.
 - Geolocation Validation:** Designed **geolocation-based validation** to restrict transactions within retailers registered locations.
 - API Testing:** Authored and executed **API test cases** using **Postman** to validate request-response workflows.
- **Data Analyst Intern – IBM, CSRBOX.** 06/2024 - 07/2024
 - Data Wrangling:** Cleaned and preprocessed datasets using advanced **data wrangling techniques** to ensure accuracy.
 - Visualization:** Developed interactive dashboards in **Microsoft Power BI**, converting complex data into clear, actionable insights for stakeholders.
 - Predictive Modeling:** Utilized **scikit-learn** and **Python** for statistical analysis, trend identification, and predictive modeling inform decisions in educational disparity analysis.
- **Web Development Intern – Vault of Codes.** 03/2024 - 04/2024
 - Collaborated with a team to design and develop **NewsNow**, a real-time news aggregator, using **React.js**, **JavaScript**, and **NewsAPI**, with category-based content filtering to enhance user engagement.
 - Led Redux implementation for centralized state management, optimizing data flow and enhancing team efficiency in development.
 - Enhanced navigation with **React Router** and **Bootstrap**, integrating infinite scrolling and **Firebase** for seamless, scalable, and intuitive user experiences.
 - Built responsive components with **JavaScript** and **React.js**, showcasing expertise in scalable web development.

PROJECTS

- **NewsNow– Real-Time News Aggregator**

Technologies Used: React.js, Redux, JavaScript, NewsAPI, React Router, Bootstrap.

 - Developed a real-time news aggregator** using React.js and NewsAPI with category-based filtering.
 - Implemented Redux for state management**, centralizing the control of news data, filters, and user preferences.
 - Enhanced navigation with React Router** and created a **responsive UI using Bootstrap** for a seamless user experience.
 - Optimized performance with infinite scroll** and integrated Firebase for real-time user data and preferences.
- **Bank-Ease: Bank Management System**

Technologies Used: Java Swing, AWT, JDBC, MySQL.

 - Developed a desktop banking app** with features like deposits, withdrawals, balance checks, and secure PIN updates.
 - Ensured unique account numbers** for each user by implementing a custom algorithm for account number generation.
 - Achieved **99% system uptime** and enhanced security measures for sensitive financial transactions.
 - Conducted rigorous functional testing** using JDBC and MySQL to ensure accurate and secure handling of financial transactions.

SKILL SUMMARY

- **Programming Languages:** Java, JavaScript, PHP.
- **Frameworks & Libraries:** React, Redux, Spring, Hibernate.
- **Databases:** MySQL, SQLServer, PostgreSQL.
- **Tools & Technologies:** Git, Postman, REST API's, Docker, AWS.
- **Software Testing:** Functional Testing, Unit Testing, Regression Testing, White & Black Box Testing.
- **Methodologies:** Agile, Scrum, Kanban.
- **Soft Skills:** Problem Solving, Team Leadership, Communication, Adaptability.

CERTIFICATES

- Software Engineering job simulation, JPMorgan Chase & Co. (KDS0a6PAuEngsL2Ea)
- AWS Cloud Practitioner Essentials, **AWS**.
- Java Programming, **Great Learning**.
- Agile Scrum Master, **Simplilearn** (Certificate code: 7379282).
- Project Management Fundamentals, **IBM**.