

ISHA SHARMA

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Education

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|---|-------------------------------|----------------------------|
| Waterloo, ON, Canada | University of Waterloo | Sep 2023 - Sep 2024 |
| <ul style="list-style-type: none">Master of Engineering in Electrical and Computer Engineering Coursework: Algorithm Design & analysis; Methods and Tools of Software Engineering; Tools of Intelligent Systems Design; | | |
| Noida, India | Amity University | Jul 2017 - Jul 2021 |
| <ul style="list-style-type: none">Bachelor of Technology in Information Technology. CGPA: 8.3/10. | | |

Languages & Technologies

Programming Languages: Java, JavaScript, Groovy, Python

Web Technologies: JavaEE, Node.js, React.js, HTML, CSS

Databases: MySQL, Redis, PostgreSQL, MongoDB, Oracle SQL Developer

Tools & Frameworks: SpringBoot, Docker, Git, Linux, Apache Maven, Gradle, Grails, Unix, Jenkins, Agile Development

Professional Experience

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| Associate Software Engineer - II | Rxlogix Corporation Pvt. Ltd | Feb 2021 - Aug 2023 |
| <ul style="list-style-type: none">Accelerated alert processing by implementing multithreading, addressing the challenge of slow processing times of 4 hours for large volumes of cases. Reduced processing time to 30 minutes, enabling the analysis of 10,000+ cases and product events using Spotfire, significantly enhancing operational efficiency.Developed a feature to configure and run safety reports using a configurable data source. Implemented functionality for fetching, storing scores in the database, and displaying them on the user interface. Streamlined report generation and enhanced data accessibility by fulfilling feature requirements effectively.Led the technical review and implementation of changes to ensure GDPR compliance for the project, collaborating with cross-functional teams to integrate data protection mechanisms and maintain regulatory standards.Authored design and database documentation for five releases, addressing low test coverage and system instability. Conducted thorough regression testing to ensure stability and clarity, increasing test coverage from 30% to 73%, facilitating smoother deployments and maintenance. | | |
| Intern | Phigene Nutritech | Apr 2020 - May 2020 |
| <ul style="list-style-type: none">Developed the back-end framework for the dashboard using Node.js & Express.js and MySQL for persistence. Created a library for plotting metric & graphs for visual representation of IoT sensor data, implemented using Chart.js library. | | |

Projects

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- Engineered the user-friendly interface for "CONNECT," a social media platform focusing on personal development and community engagement. Implemented advanced backend functionalities using Spring Boot and Java, including image upload, recurring activity scheduling, and group post management. Ensured streamlined performance, data integrity, and seamless integration with frontend technologies, enhancing user engagement and satisfaction.
 - Developed "Travel Diaries," a web app that uses an algorithm to search and rank top travel destinations based on user history and surveys. Built the backend with Node.js and Express.js, stored data in a Redis server, and designed the frontend with JavaScript, HTML, Bootstrap CSS, and SurveyJS. Delivered personalized travel recommendations, significantly improving user experience.
 - Created a Java and MySQL-based pizza ordering system to simulate restaurant operations, featuring both an administrator and customer portal. Integrated Twilio APIs for notifications and alerts, streamlining order management and improving customer communication.

Extra-Curricular & Achievements

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- Invited as an evaluator for a third-year engineering students' project evaluation event at Amity University, demonstrating expertise in evaluating and providing feedback on technical projects.
 - Received "Award for Best Logistics Coordination" for actively volunteering and organizing technical events of the department.