

# PARUL ARORA

e-Portfolio: [parularora.portfolio.com](https://parularora.portfolio.com)

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## PROFILE OF SKILLS

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- 3+ years of professional software engineering experience in developing and maintaining software applications, showcasing creative thinking and a customer-centric approach.
- Proven ability to identify, analyze, and solve complex problems in a timely and efficient manner. Strong critical thinking skills and a methodical approach to troubleshooting and resolving issues.
- Communication, problem-solving, and interpersonal skills portrayed through collaborating with team members and stakeholders to deliver projects on time and within budget successfully.
- Through coursework and professional experience skilled in Java, Python, C, C++, and Bash programming, with a basic understanding of Linux and Networking concepts.

## TECHNICAL SKILLS

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Programming Languages	Java, Python, C/C++
Databases/Cloud Platforms	AWS, SQL, MySQL, MongoDB
Project Management & Collaboration Tool	JIRA, Waterfall, Scrum (Agile), SVN, Git, Mercurial
DevOps and CI/CD tools	Docker, Jenkins, Kubernetes
Additional	JSON, XML, XSLT, OOPs, DS

## EDUCATION

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Master of Applied Computing	Sep 2022 - Apr 2024
<i>University of Windsor</i>	<i>Windsor, ON</i>
Bachelor of Technology, Computer Science and Engineering	Jul 2015 - May 2019
<i>Amity University</i>	<i>Noida, India</i>

## WORK EXPERIENCE

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Software Development Co-op/Intern	Sep 2023 - Apr 2024
<i>Nokia</i>	<i>Ottawa, Canada</i>

- Developed innovative solutions using Python integrating object-oriented design principles, resulting in streamlined systems for improved efficiency and maintenance.
- Debugged and diagnosed code to identify opportunities for re-architecting existing systems, facilitating optimal performance and easier implementation of enhancements.
- Implemented comprehensive unit tests to ensure the robustness and reliability of the developed solutions.
- Conducted rigorous code review practices, contributed to a 20% increase in software reliability, leading to fewer defects and improved overall stability of the applications.

Software Engineer	Jun 2019 - Aug 2022
<i>NCR Corporation</i>	<i>Gurugram, India</i>

- Designed and Developed enterprise-level solutions using Java and SOA to create SOAP/REST APIs to clean up 1000+ data records before transferring and facilitating communication between different systems.
- Collaborated with cross-functional teams and stakeholders to gather understanding and align solution design with business objectives and user needs.
- Supported end-to-end project implementation and contributed to the full SDLC including software design, development, testing, and deployment of software solutions.
- Created and maintained documents, including technical design, user manuals, and training materials, to facilitate knowledge transfer to new joiners.
- Worked with DevOps teams to automate deployment processes using Jenkins and other tools to help reduce manual efforts and time taken for creating change requests and deployment processes.

## PROJECTS

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### NutriSmart

Sept 2022 - Dec 2022

*Course Project*

*University of Windsor*

- Created a Java application using MVC architecture to track groceries, manage nutrition, and offer personalized meals.
- Applied diverse SDLC methodologies including Agile, Waterfall, and Iterative to tailor approaches based on project requirements.
- Demonstrated leadership and project management skills as a Team Lead and Product Owner for an Advanced Software Engineering project that received a mark of 80%.

### SmartE Learning Platform

May 2023 - Aug 2023

*Course Project*

*University of Windsor*

- Led the development of the SmartE Learning Platform, creating a website that facilitates seamless interaction between students and professors.
- Utilized Python and Django framework for backend development, ensuring robustness and scalability.
- Oversaw task assignment and story creation for team members while leading business and customer meetings while developing the front-end components using HTML, CSS, and Javascript.

### Black Friday Sales Prediction

Jan 2022 - Apr 2022

*Course Project*

*University of Windsor*

- Collaborated in a team of 4 to develop a Black Friday sales prediction model using Python and machine learning algorithms to optimize promotional strategies for a retail client.
- Engineered a scalable MongoDB database to efficiently store and retrieve diverse datasets including customer demographics, product attributes, and historical sales data.
- Conducted data cleaning, data processing, and feature engineering using Python and SQL to prepare the data for analysis.

### AWS Serverless CI/CD Website

May 2023

*Personal Project*

- Launched serverless S3-hosted static website with integrated CI/CD pipeline for front and back-end code.
- Used cloud infrastructure and automated back-end using AWS SAM and GitHub Actions.
- Leveraged Python Boto3 and Lambda to automate & serve changes to/from DynamoDB using API Gateway.

## CERTIFICATIONS

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### AWS

- Pursuing AWS Developer Associate certification