

# Aarushi Bagri

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## PROFILE

- Over 3 years of work experience in software development, including designing and launching applications from initiation to launch
- Led code reviews and implemented rigorous testing protocols using SonarQube, ensuring high-quality standards and identifying critical bugs pre-deployment
- Collaborated with cross-functional teams and clients using Confluence to design and implement integration solutions, ensuring seamless project delivery

## TECHNICAL SKILLS

- **Programming Languages:** Objective C, C++, Java, JavaScript, HTML, CSS3, Python
- **Database:** Oracle, MySQL, SQL, MongoDB, Postgres
- **Front-End Frameworks/Libraries:** ReactJS
- **Software:** PTC FlexPLM, TRC, SonarQube, Eclipse, PyCharm, Visual Studio
- **Platforms:** Windows, Linux
- **Cloud Services:** Google Cloud Platform Pub/Sub
- **Version control & management:** Git, Agile, JIRA, GitHub, SDLC, Confluence
- **Others:** REST APIs, Django, JSON, XML, Microsoft Office, Postman

## EDUCATION

### Master of Applied Computing

May 2023 – Aug 2024

University of Windsor, Windsor, ON

- CGPA: 81.67 %

### Bachelor of Technology (Computer Science)

Jul 2016 - Jun 2020

Graphic Era Hill University, Dehradun, Uttarakhand, India

- CGPA: 9.12/10

## PROFESSIONAL EXPERIENCE

### Research IT Web Application Integrator

Jun 2024 – Aug 2024

Rotman Research Institute at Baycrest, Toronto, ON

- Developed and implemented database structures using Postgres and Python scripts for efficient data manipulation on RHEL
- Configured REST APIs for system integration, enhancing data processing capabilities
- Updated the user interface of internal web applications using HTML and CSS, resulting in improved user experience and better accessibility
- Executed thorough study of documentation and interpreted existing code to optimize system performance
- Conducted market research and competitive analysis to identify trends and improve the functionality of the web application
- Authored comprehensive technical documentation to support system maintenance and future upgrades
- Successfully migrated an open-source platform into production on RHEL, demonstrating functionality and stability

### Associate

Jul 2020 - Nov 2022

Cognizant Technology Solutions, Delhi, India

- Developed, debugged, and implemented REST APIs for data processing using Google Cloud Platform's (GCP) Pub/Sub as a data source integrated user access control using OAuth2 on PTC FlexPLM and TRC
- Identified and resolved critical issues within an average of two days by analyzing logs, utilizing SonarQube, and conducting thorough debugging sessions

- Led offshore team as production lead ensuring efficient collaboration while coordinating with other project team members to understand development requirements
- Presented the strategic plan for the development of a new integration to the project team and stakeholders, successfully gathering buy-in
- Actively involved in the entire SDLC process, from initial design phase to actual production releases, following Agile Scrum methodology
- Executed over 500 test cases, achieving a success rate of 95% and reducing time required for integration testing with partner systems by 20%
- Managed programming changes during quality assurance, user acceptance testing, and post implementation
- Collaborated with the QA team, reduced critical defects by 30% compared to previous releases

### **Programmer Analyst Trainee**

Jan 2020 - May 2020

Cognizant, Pune, Maharashtra, India

- Identified and resolved key UI/UX issues within an average of two days, optimizing command flow mapping and debugging front-end performance
- Led the implementation phase for the ReactJS update, ensuring efficient collaboration with other team members to meet development requirements and timelines
- Integrated ReactJS components with HTML and CSS into the existing system, ensuring seamless transitions and improving overall system performance

## **INTERNSHIPS**

### **Summer Intern**

Jun 2019 - Jul 2019

DRDO(Defence Research & Development Organisation), Delhi, India

- Gained proficiency in ML libraries such as TensorFlow for model training and evaluation, data manipulation with pandas, numerical computing with NumPy
- Contributed to the project for naval mine identification involving tasks such as data preprocessing, feature extraction, model training, and evaluation

### **Summer Intern**

Jun 2018 - Jul 2018

ONGC(Oil and Natural Gas Corporation), Delhi, India

- Conducted comprehensive analysis of network and satellite communication performance, including data gathering, KPI evaluation, bottleneck identification, and improvement strategy proposals.

## **CLIENT PROJECTS**

### **Climate Neutral**

Jan 2024 - Apr 2024

University of Windsor, Windsor, ON

- Leveraging HTML, CSS, and Vanilla JavaScript to develop an application that assesses the environmental footprint of a fleet vehicle
- Implementing interactive features that enable users to simulate emission reductions by exploring "Green" solutions like electric vehicles, biofuels, biodiesel, and optimizing vehicle sizes within the application