

# Muskan Aggarwal

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## WORK EXPERIENCE

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### Avalon Information Systems Pvt. Ltd.

Delhi, India

Software Engineer

Jan 2020 - Sep 2022

- Developed, implemented and deployed dashboard and several highly complex modules using Angular and React(NextJS) frameworks, resulting in a notable reduction of application load time by 35%.
- Collaborated with the senior developer team to create technical specifications and test plans for updating web application tech stack operating multilingually to the latest versions of Angular and Php, resulting in a 20% increase in website traffic due to improved cross-browser compatibility.
- Designed and implemented user interfaces using HTML, CSS, and Bootstrap to meet strict user requirements, resulting in an increase of 25% in positive user feedback.
- Managed tasks using JIRA and BitBucket to ensure successful completion of assigned issues and bugs within sprint deadlines while consistently prioritizing tasks which contributed to a team-wide 20% increase in sprint completion rates.
- Consistently followed a collaborative approach with cross-functional teams comprising designers, product managers, and other engineers to develop and deliver high-quality software products, resulting in a 20% decrease in bug issues reported by end-users.
- Designed and launched an educational Flutter based bilingual mobile application with responsive design for both android and IOS platforms that tracked teacher-student activities during the COVID-19 pandemic. Integrated HIVE database following noSQL approach, resulting in efficient data management processes with a 15% increase in user engagement and 40% deduction in app-loading time.

### Amorfos Enterprises

Delhi, India

Web Developer Intern

Aug 2019 - Sep 2019

- Collaborated with a team of developers to design and develop the company's application using HTML, CSS, SASS, and Bootstrap, resulting in a 20% decrease in bug reports and 30% increase in page views and an improved user experience.
- Led teams to enhance performance for efficient and effective applications while utilizing strong analytical and problem-solving qualities resulting in a 15% increase in productivity.

### Virtuosos Solutions Pvt. Ltd.

Delhi, India

Php Developer Intern

Jul 2019 - Aug 2019

- Developed a robust food order management system utilizing the CakePhp framework, resulting in a 30% increase in order accuracy and a 20% decrease in processing time and optimized Sql server performance by designing efficient tables and views and writing complex queries using Joins.
- Created web interfaces using Pug and Express and wrote Javascript functions for complex web application modules, resulting in an overall increase of user satisfaction by 25%.

## SKILLS

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Angular, NextJS, React, Node , Node.js frameworks for building responsive web applications, JavaScript, TypeScript, JQuery for Front end development, HTML5, Pug, CSS3, Flexbox, SASS, BOOTSTRAP for designing user interfaces, FIGMA, AdobeXD for mock-ups and prototypes, Flutter(Dart, both Android and IOS) for mobile application development, ASP.NET MVC architecture, C# ( object-oriented programming , Web based application development Visual Studio), SQL, MySQL, MongoDB, HIVE for database management, C / C++, PHP, CakePhp for back end development, AJAX, JSON, Postman for API testing, Basic understanding of Linux, powershell, GIT for code management and code reviews, GitHub, JIRA, BitBucket for Agile-scrum methodologies and Task Management, Microsoft Suite, Jasmine and Cypress framework for automation testing, excellent organizational skills

## PROJECT EXPERIENCE

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### EQUIST - Equitable Impact Sensitive Tool (UNICEF)

URL - <https://equist.info/#/>

- Updated technology stack for dashboard, scenario analysis and other complex modules on Angular framework, worked on CMS setup for admin in CakePhp and handled complex queries for database management in SQL for this platform which is used to facilitate decision makers' development of equitable strategies to improve health of most vulnerable women and children.

### SAFERROADS (City Intervention in India)

URL - <https://saferroads.in/>

- Built dashboard to analyze road accidents and fatalities in black spots of India and integration of highcharts and google maps for demonstrating data for this platform which is an initiative led by AB InBev (Anheuser-Busch InBev) to make Gurugram's roadways safer through data-driven initiatives and constructive behavioral change.

#### UN INFO (UNDP)

URL - <https://uninfo.org/>

- Handled complicated module development and enhancement of application using JS and JQuery for this website which is an online planning, monitoring and reporting system that digitizes each UNDAF/UNSDCF and the Joint work plans that go with them.

#### A.P.S.H.W.P (Andhra Pradesh School Health and Wellness Programme)

Mobile Application

- Created several modules in Flutter for this programme that has been rolled out during a challenging period amidst the COVID-19 to implement teachings through various modules, resources and with the help of quizzes and polling, the children's activities were continuously tracked.

#### GBVIMS (Police Management System)

Mobile Application

- Built a mobile application for Android and IOS using Flutter that worked both online and offline using synchronization through APIs and integrated HIVE database in front-end to follow noSQL approach preventing the complexity of the database management.

### EDUCATION

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#### Humber College

ON, Canada

Post graduation in Web Development

Aug 2023

- Scored an aggregate of 91.05

#### Guru Gobind Singh Indraprastha University

Delhi, India

Bachelor of Technology in Information Technology

May 2020

- Scored an aggregate of 84.2%