

HARSHADA KAILAS BAGAL

bagal.h@northeastern.edu | (914) 531-7012 | [linkedin.com/in/harshada-b-82b290169/](https://www.linkedin.com/in/harshada-b-82b290169/)
[Github](#) | [Portfolio](#)

EDUCATION

Northeastern University, Boston, MA

Master of Science, Information Systems

May 2024

Relevant Coursework: Application Engineering Development, Data Management and Database Design, Web Design, UI/UX

Vishwakarma Institute of Technology, Pune, India

Bachelor of Technology, Computer Science and Engineering

Oct 2020

Relevant Coursework: Data Structures, Object Oriented Programming, Operating Systems, Software Engineering

TECHNICAL SKILLS

Programming Languages:	Java, SQL, Python, C++, C#, Object Oriented Programming
Web Technologies:	ReactJS, HTML, CSS, SCSS, JavaScript, Bootstrap, Node JS, Express JS, AngularJS
Frameworks & Libraries:	Java Swing, Spring MVC, Spring Boot, .NET Web API
IDE/Source Control/API Tools:	Visual Studio, GitHub, GitLab, POSTMAN, SSMS, Netbeans
Design Tools:	Adobe XD, Figma, Canva, Balsamiq, Moqups
Cloud Platform /Cluster Management:	Amazon AWS, Kubernetes, Docker

PROFESSIONAL WORK EXPERIENCE

Aress Software, Nashik, India

Software Engineer

Sep 2020 - Jun 2022

- Conducted an impact evaluation of over **200** change requests for implementing new features, fixing code issues and critical bugs; Prioritized tasks for timely delivery and reduced the development cycle by **30%**
- Addressed and solved over **150** tickets, conducted root cause analysis, and fixed production and non-production server issues, delivering effective solutions and boosting overall application efficiency
- Utilized Excel data to create complex SQL stored procedures, scripts, and triggers that enabled fast bulk record retrieval, resulting in decreased latency and a **20%** improvement in web application loading time
- Delivered extensive L3 support for the production environment and round-the-clock support during go-live phases for the Web operations team; Mentored new talents while prototyping an in-house web application using .NET and SQL
- Contributed significantly to the deployment, building processes, and adhered to **Agile** methodology

Infosys Limited, Mysuru, India

Software Intern

Jan 2020 - Mar 2020

- Designed and programmed a comprehensive front-end solution using HTML5, CSS3, Bootstrap, JavaScript and React.JS, ensuring full compliance with accessibility and web browser standards for the Student Management System
- Engineered over **15** front-end screens, incorporating a diverse range of predefined components from NPM (Node Package Manager) and integrating the redux library with proficiency, using React.js for the Student Management System's user interface, achieving a **47%** reduction in development time

ACADEMIC PROJECTS

ShopEase (MongoDB, Express.js, React.js, Node.js, Cloudinary, bcrypt, JWT) | Github: [ShopEase](#)

Jan 2023 - Mar 2023

- Built e-commerce application for ordering variety of products, providing assistance to user using chatbot
- Streamlined the storage of user avatars and posts, utilizing the Cloudinary API, resulting in a seamless user experience
- Implemented JSON Web Token to preserve user session information and utilized bcrypt to secure sensitive user data resulting in a **100%** secure shopping environment

Go Fit (Java Swing) | Github: [GoFit](#)

Sep 2022 - Dec 2022

- Spearheaded the development of a cutting-edge Java SWING application that serves as a centralized system to provide essential guidance and keep users up to date about any health-related issues
- Enhanced the application's functionality by integrating the Gmail API for sending emails with **98%** efficiency, utilizing maps to monitor location, and integrating the Twilio API for SMS, resulting in a detailed and user-friendly system

Blood Donation Database (Advanced SQL, Tableau) | Github: [BloodDonationManagement](#)

Sep 2022 - Dec 2022

- Transformed data into 2NF and 3NF forms and loaded it to the Microsoft SQL server
- Built dashboards using Tableau for predicting the highest blood donation in specific regions, forecasting the percentage of blood usage through calculated fields, and implementing other metrics