

DHRITI SINGH

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 10 • Mac • Mobile

Applications | MS Office: Word • Excel • PPT • Access • MS Project

Programming | Java • JavaScript • HTML • CSS • Bootstrap • JavaScript (Node.js) • Java
(Spring) • SQL • MongoDB • XML • React Js • Angular • C++ • Junit • Firestore

Platforms | Visual Studio Code • GitHub • IntelliJ IDEA • Eclipse • Jira • Slack • Amazon Web Services
(AWS) • Confluence • MySQL • MongoDB • PuTTY • WinSCP • Sourcetree • GitLab • Apache • Postman

Processes | Quality Assurance • Peer Programming • Scrum • Agile

Languages | English– Advanced • Hindi– Mother tongue

EDUCATION

Master of Applied Computer Science Co-op

2023-2025 (Expected)

Concordia University, Montreal, QC

- Advanced Programming Practices, Algorithm Design Techniques, Programming and Problem Solving, Software Comprehensive Management, Artificial Intelligence
- GPA 3.66

Bachelor of Technology –Information Technology

2018- 2022

Guru Gobind Singh Indraprastha University, New Delhi, India

- Operating Systems, Database Management Systems, Data Structures and Algorithms, Advanced Computer Networks, Object Oriented Programming
- GPA 9.36/10

WORK EXPERIENCE

Software Engineer

July 2022 – July 2023

Chaayos Sunshine Teahouse, New Delhi, India

- Mentored interns to develop the Chaayos Dine-In Ecommerce App, utilizing Java, Spring framework, React and AWS for backend services and cloud infrastructure.
- Led the seamless migration and deployment from Spring to Spring Boot with Maven, improving performance by 30% and expediting development processes. Enhanced performance and resolved issues through user feedback, unit, and integration testing. Collaborated with peers for codebase management using GIT.
- Developed and integrated the Chaayos admin dashboard in Angular using Bootstrap, s and Java Spring-Core with Hibernate. Mentored tech interns by conducting daily stand-ups, and sprint reviews. Collaborated with project management on JIRA for sprint planning and feedback sessions.
- Collaborated with finance and investment banking team to automate tax calculations, develop APIs for data integration, and implement cost breakdown tools, resulting in 42% reduction in manual effort, enhanced financial transparency, and improved decision-making.

- Pair programmed with peers by engaging in peer-reviews and code reviews for development in agile methodologies for developing the Chaayos in-cafe self-ordering application with following responsibilities.
 - Managed microservices, customer-related REST API development in Core Java Spring Boot, developed WhatsApp and notification Integration with JMS and MVC. Synthesized Chaayos App and groomed features to produce high-quality system design using design patterns for refining the existing product suite improving client interaction.
 - Guided the creation of a tailored product recommendation based on customer preferences and inventory using problem-solving abilities and analytical thinking. Also, played a role in integrating a goal achievement tracking system using AWS SQS queues.

Software Engineer Intern**Jan 2022 – June 2022**

Chaayos Sunshine Teahouse, New Delhi, India

- Developed a POS screen dashboard for Beer Café in Delhi, utilizing SQL Database, Java, and Spring framework for backend, and ReactJS with Bootstrap for frontend styling.
- Contributed to the creation of Knock App, facilitating supply chain management and predictive analysis. Utilized React Native for the frontend, Java, Spring framework, SQL, MongoDB, and Firebase for backend and real-time data analysis.
- Implemented Java and Spring framework for the customer ordering flow at Chaayos, named Kettle – POS Dashboard. The frontend was developed using Angular and JavaScript.
- Assisted in the development and maintenance of back-end systems using .NET and C#, contributing to codebase improvements, and debugging processes.

PROJECTS

Instagram Web App - <https://reels-app-92c5c.web.app/>**Tech Stack:** React Js, Backend, Material UI, No SQL, Firestore, CSS, JavaScript

Introducing Instagram Web App Clone: A dynamic platform mirroring Instagram's functionality, powered by Firestore for seamless backend operations. Ensures secure login/signup, efficient database handling, and forget password feature. Users can upload videos, engage with content, and enjoy auto-play feed. Built with React.js, Material UI, functional components, hooks, and NoSQL database for a delightful experience.

The Tummy Section - <https://github.com/dhritisingh18/Tummy-Section>**Tech Stack:** React Js, CSS, JavaScript, Spring boot, Redux, Spring security, jeson web token, MySQL, Tailwind CSS, Mui, Axios, REST API

Developed a fullstack app, an online food delivery app, featuring multi-vendor support, tailored admin panels, secure role-based access, customized food ordering, menu creation and user-friendly functions with compliance and security support. Utilized Spring Boot, Java, React and Redux, SQL Server, and robust security measures to ensure a seamless and secure experience for restaurant owners and customers.

Warzone - <https://github.com/dhritisingh18/Warzone-Game/tree/master>**Tech Stack:** Java, Backend, Design Patterns, OOPs, Junit, Javadoc

My project involves developing a Risk computer game compatible with Warzone's rules and map files. Utilizing various design patterns like State, Singleton, and Command, ensured scalability and flexibility. With comprehensive documentation using Javadoc and rigorous testing using JUnit, our implementation promises an immersive gaming experience.