# Muqaddaspreet Singh Bhatia

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## Summary

Full-Stack Developer (2+ years) delivering enterprise applications and user-centric UI/UX. Skilled in React, Angular, TypeScript/JavaScript, Node.js/Express, Jest, and REST. Deliver clean, tested code, collaborative design reviews, and pragmatic troubleshooting across environments; committed to secure coding, performance, and inclusive user experiences. Demonstrated leadership through mentoring, docs, and driving cross-team alignment.

## Education

**Concordia University**                                                       Montreal, Quebec, Canada
*Master of Applied Computer Science — CGPA: 3.30/4.33*                      *September 2023 - May 2025*

**Guru Nanak Dev University**                                                         Amritsar, Punjab, India
*Diploma in French — Marks: 331/400*                                            *August 2022 - May 2023*
*Bachelor of Technology in Computer Science — CGPA: 9.03/10.00*                    *July 2018 - May 2022*

## Experience

**Nagarro software**                                                                 June 2021 – July 2023
*Software Engineer*                                                                       *Gurugram, India*

- **Delivered** a supplier-facing platform end-to-end (**React, Redux, Node.js/Express, Jest**), using a component-driven architecture; shipped **50+ reusable components** and **dozen+ REST endpoints** for auth, and e-invoicing.
- **Improved** page performance **18%** via route-based code splitting, **React.memo/useMemo**, and bundle hygiene; delivered **WCAG 2.1**-compliant views scoring **90+ Lighthouse Best Practices**.
- **Designed** Express middleware (JWT auth, validation, rate-limit, retries) and added server-side caching/pagination on high-traffic queries—cut **P95 API latency by 40%** (480 ms to 290 ms) and reduced database reads by **35%**.
- **Lifted** FE test coverage to **80%** (Jest/RTL) and added API tests with supertest reaching **85% route coverage**; prevented regressions and resolved **40+ UI/API issues** across sprints; published OpenAPI specs for typed clients.
- **Supported** releases/hotfixes; introduced structured logging and basic dashboards, cutting **MTTR by 30%**; collaborated via Git in a fast-paced Agile environment; onboarded/mentored **2** interns.

**VMM Education**                                                                January 2021 – June 2021
*Frontend Developer Intern*                                                               *Amritsar, India*

- **Delivered** a **React** "Practice Quizzes" module end-to-end, increasing weekly quiz completions by **28%** for **220** students and reducing first-load time to **1.7s**.
- **Applied Redux** where it added clear value (authentication and learner progress), cutting duplicate API calls by **20%** and speeding page-to-page navigation by **30%**.
- **Added** a focused Jest test suite for key components and reducers, lifting coverage from **25% to 85%** and preventing **10+ regressions** before release.

## Projects

**CineSenseAI** | *React, Vite, Redux Toolkit, JavaScript, Tailwind CSS, Firebase Auth* | **[Live-Site](#)** | **[GitHub](#)**

- Built **AI/LLM-powered** movie experience with **React** frontend integrating TMDB with auth-gated browsing using **firebase** backend; optimized fetching via custom hooks, and memoization to cut redundant API calls by **60%**
- Engineered natural-language search for AI recommendations; added response caching to lift relevant-hit rate **30%** and reduce time-to-first-result to **350 ms**; shipped multi-language UI with lazy-loaded dictionaries.

**TopVidVault** | *ReactJS, JavaScript, Redux, Tailwind CSS, Webpack* | **[Live-Site](#)** | **[GitHub](#)**

- Delivered a **React** video-platform UI pulling the top **50** trending videos from the live YouTube Data API; optimized rendering (virtualized grid + lazy thumbnails) to reach **1.0s LCP**, with graceful rate-limit handling and error fallbacks.
- Implemented search & suggestions with **200 ms** debouncing and Redux caching, cutting duplicate API calls by **60%**; enforced a bounded chat history (auto-prune to last **250 msgs**) and maintain **60 fps** under live load.

**More Projects:** Check out additional impactful projects on my portfolio at [muqaddaspreet-singh.netlify.app/](#)

## Technical Skills

**Programming Languages**: HTML, CSS, JavaScript, C++, Node.js, Python, Java, .NET, C#, SQL, TypeScript
**Frameworks/Libraries**: ReactJS, Angular, Express, MongoDB, Mongoose, Tailwind CSS, Redux, React Router, RESTful APIs, RxJS, Firebase, EmailJS, Bootstrap, Chakra UI, Jest, NPM
**Tools**: Git, Bitbucket, Jira, Linux, CI/CD, Jenkins, Github Actions, Postman, Swagger, Docker, AWS Lambda, S3, Parcel, Webpack, Babel, MongoDB Compass
**Concepts**: Version Control, Object-Oriented Programming, Data Structures, Software Developmemt Life Cycle, Design Patterns, SOLID Principles, Unit & Integration Testing, Coding standards, Agile, Distributed System Design