**Neeraj Kumar**

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Education

**George Brown College** Toronto, ON

*Advanced Diploma in Computer Programming and Analysis Expected Graduation: April 2025*

* GPA: 3.56/4.00, Dean’s List (Fall 2023, Winter 2024, Summer 2024)
* Concentrations: Web & Mobile Application Development, Cloud Computing, Database Management
* Relevant Coursework: Full-Stack Development, Advanced Databases, DevOps, CI/CD, Agile Software Development, Mobile App Development, Cloud Architecture, API Design

# Experience

**Software Developer** Sept 2024 – Present

*ServeEase Capstone Project Toronto, ON*

* Led the • Led the development of ServeEase, a cross-platform mobile app with 98% positive user feedback. • Integrated Google Maps API for precise service provider matching and Stripe API for secure online payments, resulting in 35% faster payment processing time.
* Developed a scalable backend using Firebase, Node.js, and Express for user authentication, appointment scheduling, and service provider administration, supporting over 10,000 concurrent users.
* Implemented Jenkins for Dockerized deployment and CI/CD pipelines, resulting in smooth updates and a 45% reduction in deployment time.

**Tutor** Sept 2024 – Dec 2024

*Mobi Help, George Brown College Toronto, ON*

* Provided one-on-one tutoring in Java, JavaScript, Bash scripting, and CSS to 30+ students, helping improve average class grades by 18%
* Developed SQL database integration lessons and supported students in structuring efficient database queries, resulting in 40% faster query execution

# Projects

**Real-Time Web-based Chat Application** | *MERN Stack, WebSockets, Socket.io* Jan 2024 – Mar 2024

* Developed a secure real-time chat application using React, Node.js, Express, and MongoDB with JWT authentication supporting 1,000+ concurrent users
* Implemented WebSockets (Socket.io) for live messaging, real-time status updates, and user presence tracking with 50ms latency

**Employee Management System** | *MEAN Stack, GraphQL, Docker, JWT* May 2024 – July 2024

* Built an employee management system using Angular, Node.js, Express, and MongoDB, integrating GraphQL for efficient data querying and reducing API calls by 60%
* Implemented role-based access control (RBAC) and JWT authentication for secure login and user management across 5 different user roles
* Deployed on Vercel with Docker containerization, ensuring seamless scalability and 99.9% uptime

**Inventory Management System** | *Spring Boot, Keycloak, PostgreSQL, Docker, Kafka* Oct 2023 – Dec 2023

* Developed a microservices-based inventory management system using Spring Boot, PostgreSQL, and MongoDB, handling 100,000+ SKUs
* Integrated Keycloak for OAuth 2.0 authentication, ensuring secure user access and compliance with industry security standards
* Implemented Docker and Kafka for containerized deployment and event-driven architecture, improving scalability and fault tolerance

# Technical Skills

**Programming Languages**: Java, Python, JavaScript, TypeScript, PHP, HTML/CSS, SQL, Bash

**Frameworks/Libraries**: React, Angular, Bootstrap, Next.js, Node.js, Express.js, Spring Boot, ASP.NET Core, Tailwind CSS

**Tools**: Git, GitHub, Docker, AWS, Azure, Jenkins, Kubernetes, Kafka, Postman, Android Studio, IntelliJ, VS Code

**Databases**: MySQL, MongoDB, PostgreSQL, Firebase, OracleSQL