# Priyanshu Rana

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## Education

**Computer Programming and Analysis — Seneca Polytechnic, Markham, ON**
Jan 2024 – Present (Expected Dec 2026)
Coursework: Database Systems, Data Structures, Web Development, and Software Engineering.

**Diploma in Computer Engineering — BBIT College, Gujarat**
Graduated Jul 2022

## Experience

**Database Intern — Tata Consultancy Services (TCS), Ahmedabad, India**
Jan 2022 – Jun 2022
• Designed and optimized SQL databases for internal business applications, improving query performance by 25%.
• Created data validation and cleanup scripts to ensure accuracy and consistency across datasets.
• Assisted in developing database reports and ER diagrams for cross-departmental data integration.
• Collaborated with developers to streamline backend data pipelines and automate reporting.

## Projects

**Online Movie Ticket Booking — Full-Stack Web Application**
• Developed an interactive web application for booking movie tickets online.
•Designed a responsive front-end using HTML5, CSS3, and JavaScript.
•Built backend services in PHP integrated with MySQL for managing schedules, seat availability, and real-time booking.
•Implemented user authentication and profile management, allowing users to view booking history and receive email confirmations

**Blood Bank Management System — Database Application ** GitHub****
•Designed and implemented a comprehensive SQL database system for managing blood donations.
•Created and executed advanced SQL queries to retrieve and analyze data, ensuring accuracy in inventory management and reporting.
•Designed an ER-Diagram and Data Dictionary, contributing to an efficient data management framework and streamlining information flow.

## Skills

**Programming:** Python, Java, C, C++, Android
**Databases:** MySQL, Oracle SQL, MongoDB, DB2 (in progress)
**Web Development:** HTML5, CSS3, JavaScript, PHP, Node.js
**Tools & Platforms:** Git/GitHub, AWS (basic), VS Code, Eclipse
**Core Competencies:** Database Design, Data Analysis, Debugging

## Leadership & Activities

**Volunteer Mentor — Tech Peer Mentorship Program, Seneca Polytechnic**
• Mentored first-year students in programming fundamentals and academic skills.
• Facilitated collaborative coding sessions and supported debugging workshops.