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Education

Bachelor of Engineering (Computer Science)	Pune University	Jun 2021 – May 2025	SGPA: 7.06/10.00
Higher Secondary Certificate (Science)	Pune University	Mar 2020 – Feb 2021	Percentage: 86%
Secondary School Certificate	Maharashtra State Board	Jun 2018 – Apr 2019	Percentage: 79.80%

Technical Skills

Core Java

- **Java Basics:** JDK, JRE, JVM — understanding of Java runtime environment and execution flow.
- **Object-Oriented Programming (OOP):**
    - **Encapsulation:** Data hiding using access modifiers.
    - **Inheritance:** Code reusability through parent-child relationships.
    - **Polymorphism:** Compile-time (method overloading) and runtime (method overriding).
    - **Abstraction:** Abstract classes and interfaces for modular design.
- **Methods & Constructors:** Method overloading, method overriding, parameterized and default constructors.
- **Interfaces & Abstract Classes:** Implementing multiple behaviors and achieving abstraction.
- **Collections Framework:** Practical knowledge of **ArrayList**, **LinkedList**, and their usage in real-time applications.

SQL and Database Skill

- **Database Concepts:** Strong understanding of **RDBMS concepts** and relational database principles.
- **SQL Commands:** Proficient in **DDL (Data Definition Language)**, **DML (Data Manipulation Language)**, **TCL (Transaction Control Language)**, **DCL (Data Control Language)**, **DQL (Data Query Language)**.
- **Query Writing:** Ability to write **complex SQL queries**, including **joins (INNER, LEFT, RIGHT, FULL)**, **subqueries**, and **nested queries**.
- **Functions:** Knowledge of **single-row functions** (e.g., UPPER, LOWER, ROUND) and **multi-row/aggregate functions** (e.g., SUM, COUNT, AVG, MAX, MIN).
- **Data Analysis & Optimization:** Optimizing queries for **better performance** and accurate data retrieval in large datasets.

Testing Skills

- **Testing Types:** Manual Testing, Functional Testing, Integration Testing, Regression Testing, System Testing, Performance Testing, Compatibility Testing, Usability Testing, Exploratory Testing.
- **Testing Processes & Methodologies:**
    - **SDLC (Software Development Life Cycle)** & **STLC (Software Testing Life Cycle)**
    - **White Box Testing** and **Black Box Testing** techniques
- **Test Case Management:** Writing, executing, and reviewing detailed test cases and test scenarios to ensure application quality.
- **Bug Tracking & Reporting:** Reporting defects with severity, priority, and reproducible steps using tools like **JIRA / Bugzilla** (if applicable).
- **Cross-Platform Testing:** Ensuring application performance across multiple devices, browsers, and environments.

Technical skills

- **Programming Languages:** Java (Core Java, OOPs, Collections), JavaScript
- **Web Technologies:** HTML5, CSS3, Front-end development basics
- **Databases:** SQL, RDBMS concepts, Query Writing, Joins, Functions
- **Frameworks & Tools:** Spring Boot (for building Java-based applications)

Experience

Web Development Intern | Div & Section Pvt Ltd. | Remote | Jan 2024 – Mar 2024

- Assisted in **developing and maintaining web pages** using **HTML5, CSS3, and JavaScript**.
- Gained hands-on experience in **responsive design**, ensuring websites functioned seamlessly across devices.
- Collaborated with the development team to **implement front-end features** and **debug UI issues**.
- Learned **best practices in web development**, including semantic HTML, styling standards, and code optimization.
- Participated in **code reviews and team discussions** to improve project quality and delivery efficiency.

Java Backend Developer | Road2Tech | [Pune] | [Dec-2024] – [March-2025]

- Developed **backend services and APIs** using **Java and Spring Boot**, ensuring robust and scalable application architecture.
- Worked on **database integration** using **SQL** and optimized queries for performance and efficiency.
- Implemented **RESTful APIs** to support front-end functionality and ensure smooth client-server communication.
- Participated in **code reviews, debugging, and unit testing** to maintain high-quality code standards.
- Collaborated with cross-functional teams to **design, develop, and deploy backend solutions** in Agile environment.
- Gained experience in **exception handling, authentication, and application security** in Java backend development.

Projects

Bus Reservation System | Java | Aug 2025

- Developed a **console-based Bus Reservation System** using **Core Java** and **OOP concepts**.
- Implemented functionalities like **seat booking, cancellation, and real-time availability tracking**.
- Designed **efficient data structures** using **2D arrays and ArrayList** for managing multiple bookings.
- Applied **exception handling and input validation** to ensure error-free execution.
- Integrated with **MySQL database using JDBC** to store passenger and booking details, enhancing reliability and scalability.
- Demonstrated practical knowledge of **Java Collections, JDBC, and database interaction** in a real-world application.

Student Performance Tracker | SQL Server | Mar 2025

- Designed a **relational database** to manage **student profiles, subjects, and semester scores**.
- Wrote **optimized SQL queries and stored procedures** to generate comprehensive academic reports.
- Ensured **data integrity and accuracy** using **primary and foreign key constraints**.
- Gained hands-on experience in **database design, query optimization, and report generation** for educational data management.

Mobile App Analytics System | SQL & Database Design | [may 2025]

- Designed a **relational database** to manage mobile applications, user interactions, ratings, and downloads.
- Created tables such as `apps`(app details), `applike` (user likes), `rating` (user ratings), and `download` (download history).
- Wrote **complex SQL queries** to:
  - Track **most popular apps** by downloads and likes.
  - Generate **average rating reports** and **top-rated apps per category**.
  - Analyze **user engagement trends** over time.
- Implemented **data integrity constraints** (primary keys, foreign keys) to ensure consistent and accurate data.
- Practiced **query optimization, subqueries, joins, and aggregate/window functions** for efficient reporting.
- Gained hands-on experience in **database design, analytics reporting, and performance optimization** for real-world application data.

Certifications

1.Crowd Testing – Gaming Application | Test Yantra

- Performed **functional, usability, and exploratory testing** on a gaming application, ensuring smooth user experience and high-quality performance.
- Conducted **cross-device (mobile/tablet) and cross-browser testing** to validate application consistency across multiple platforms.
- **Logged and tracked defects** in a bug tracking tool with detailed reproduction steps, screenshots, severity levels, and priority.
- Collaborated with developers and QA team to **verify fixes and enhance app stability**.
- Gained practical exposure to **manual testing methodologies, test case preparation, and test scenario design**.

2. HackerRank – SQL (Intermediate)

- Wrote and optimized **complex SQL queries** using **joins, subqueries, and aggregate functions**.
- Practiced **data extraction, transformation, and analysis** on sample datasets.
- Applied **best practices in query writing and performance optimization** for efficient results.

3. HackerRank – SQL (Advanced)

- Developed and optimized **advanced SQL queries** using **window functions, CTEs, and nested subqueries**.
- Focused on **query performance, large dataset handling, and problem-solving**.
- Applied **real-world data analysis techniques** to improve query efficiency and accuracy.