Krish Lalwani

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Ujjain, Madhya Pradesh, India

SUMMARY

Dedicated Software Engineering student with a strong foundation in development and a passion for problem-solving. I excel in making informed decisions, prioritizing communication, and fostering collaboration. Committed to continuous learning, I seek to leverage my technical expertise and innovative mindset to thrive in dynamic environments. My goal is to deliver impactful, high-quality solutions that align with industry-leading standards.

SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, SQL.
- **Web Technologies:** HTML, CSS, J2EE, Servlets, JSP, AJAX, JSON, XML, JDBC, GSON.
- **Tools:** Gradle, itext7.
- **Database Systems:** MySQL, SQLite.
- **Tech:** Data Structures, Algorithms, OOPS, Git, Github.
- **Frameworks:** JQuery.

PROJECTS

- **KLJRock** — *2024*

  Tools and Technology: JavaScript, AJAX, JSON, Data Structures
  - Developed a lightweight Client-Side JavaScript framework for generating better UI and improve developers productivity.
  - Streamlines AJAX calls, DOM manipulation, and other challenging JavaScript operations.
  - Provides ready-to-use features like modal views, accordion panes, form validation, and combo box filling.
  - Reduces development time by making it easier to create responsive, feature-rich websites quickly.

- **Network Framework** — *2024*

  Tools and Technology: Java, Java Reflection API, Java Annotations, JSON, GSON, Gradle
  - The framework encapsulates all network-related tasks, so developers don't need to write any network code themselves.
  - By leveraging Java's Reflection API and annotations, the framework dynamically handles networking operations, making the process seamless and reducing the need for boilerplate code.
  - The framework supports easy data exchange using JSON and GSON, enabling smooth serialization and deserialization of objects.
  - The framework is built with Gradle, ensuring easy integration and dependency management for developers.
  - Developers can simply annotate methods and classes, and the framework will take care of the rest, including connections, data transfer, and error handling.

- **Human Resource Application** — *2023*

  Tools and Technology: Java, JSON, JDBC, SQL, MySQL, GSON, XML, Gradle, itext7
  - This application was designed in 3 layers (CONCEPT OF LAYERED PROGRAMMING).
  - **Data Layer:** Implements both file handling and database techniques for storing and managing employee data, supporting comprehensive CRUD operations.
  - **Business Layer:** Utilizes data structures to optimize processing, ensuring efficient performance when interacting with large datasets.
  - **Presentation Layer:** Features a responsive GUI built with Java Swing/AWT.
  - Integrated JDBC, SQL, and Network programming with tools like iText7 for PDF generation, Gradle for build automation, GSON for JSON parsing, and MySQL for database management.

EDUCATION

- **Mahakal Institute of Technology** — *2021 - 2025*

  Bachelor of Engineering in Computer Science — Ujjain, Madhya Pradesh
  - CGPA: 6.78

- **Govt. Modal Higher Secondary School** — *2020-2021*

  Secondary Education — Ujjain, Madhya Pradesh
  - Marks: 412/500