UTKARSH SINHA

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Technical Skills

Languages:

- **Java:** Number Programs, Pattern Programs, OOPS (Constructor, Inheritance, Type casting, Encapsulation, Abstraction, Interface, Polymorphism, Boxing), Regex, String, Array, Array list (Single linked list, doubly linked list), Hashing, Map, Iterator, Binary tree, Searching and Sorting Algorithms, Muti-threading, Exceptions. Advanced Java (JDBC Queries), Spring Boot, Hibernate.
- **SQL:** DBMS, Data types, DQL, Special operators, Functions, Sub query, Joins, Pseudo commands, DDL.
- **JavaScript**

UI Technologies:

- **HTML:** HTML tags and attributes, HTML layout
- **CSS:** CSS style, selectors, flex, position, Box model
- **Bootstrap**

Databases: PostgreSQL

Tools: Git, VS Code, Eclipse

Projects

Snake Game – Java GUI Application

Using Java concepts like Swing, AWT, Exception Handling, Abstract Classes, Interfaces, OOP

- Developed an interactive snake game using **Java Swing** and **AWT** for GUI.
- Implemented **modular and reusable code** using abstract classes and interfaces.
- Demonstrated exception handling and core **OOP** principles.

Library Management System – Full Stack Web Application

Built using JSP, Servlets, JDBC, PostgreSQL, Bootstrap; deployed via Apache Tomcat with Maven.

- Designed and implemented a full-stack library system with **CRUD operations**.
- Ensured seamless and secure database connectivity using **JDBC with PostgreSQL**.
- Used **Bootstrap for responsive UI** and deployed the application using **Apache Tomcat**.

Amazon Home Page Clone – Frontend UI Project

Frontend UI replica using HTML and CSS.

- Created a static replica of the Amazon homepage using **semantic HTML and modern CSS**.
- Applied **box model, flexbox, and positioning techniques** for layout and responsiveness.

Education

Kalinga Institute of Industrial Technology	**August 2021 – September 2024**
Bachelor of Technology in Computer Science and Engineering	Bhubaneswar, Odisha
Lovely Professional University	**August 2019 – July 2021**
Diploma in Computer Science	Phagwara, Punjab

Certifications

CCNA: Introduction to Networks	**July 2023**
Networking fundamentals, including IP addressing, routing, and switching concepts.	
AWS Academy Introduction to Cloud	**April 2023**
Foundational skills in cloud services and AWS infrastructure.	
HackerRank Problem Solving (Intermediate) Certificate	**September 2022**
Skilled in algorithms, data structures, and intermediate coding challenges.	