

# SANVI OJHA

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## SKILLS

**Languages:** C++, Java, Python, SQL  
**Frameworks:** HTML and CSS, React, Apache Hadoop  
**Tools/Platforms:** MS Excel, Tableau, MongoDB, Linux, Apache Hive, Apache Pig  
**Soft Skills:** Critical Thinking Skills, Team Management, Project Management, Observation

## SUMMER TRAINING

### Full-Stack Developer Trainee | CipherSchools:

Jul'24

- Built a dynamic full-stack blogging platform with robust CRUD functionality using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Developed a fully responsive and visually intuitive user interface, increasing usability and mobile accessibility, and reducing page load time by 30%.
- Implemented secure user authentication (JWT), and protected routes to prevent unauthorized access, resulting in a 50% reduction in security risks.
- Engineered optimized backend APIs and integrated MongoDB queries to improve server response time by 25%.
- Supplemented major blogging app with supporting micro-projects such as a Note CLI app (command-line notes manager), resume builder, portfolio website, and a browser-based Tic-Tac-Toe game to demonstrate versatility in full-stack development.

**Tech Stack:** Full-Stack Development, MERN Stack, REST APIs, Authentication, UI/UX Design, CLI Tools

## PROJECTS

### Car Dodger Game| [LINK](#)

Apr'25

- Developed a dynamic 2D car dodging game using Java (console-based) and JavaScript (web-based), demonstrating cross-platform proficiency.
- Implemented core gameplay mechanics, including real-time player movement, random obstacle generation, collision detection, and dynamic score tracking.
- Optimized game loop and input handling to ensure smooth performance, responsive controls, and increasing game difficulty on both platforms.
- Created an interactive web version with HTML5 Canvas, CSS3, and JavaScript, featuring a user-friendly interface and intuitive game start/reset functionality.

**Tech Stack:** Java, JavaScript (ES6), HTML5, CSS3, OOP, Event-driven programming, HTML5 Canvas

### Pizza Sales Analysis| [LINK](#)

Nov'24

- Spearheaded an in-depth analysis to pinpoint peak sales hours, top-selling items, and weekly sales trends, driving data-driven business strategies.
- Engineered interactive Tableau dashboards to visualize revenue streams, sales patterns, and category performance, providing actionable insights.
- Optimized datasets through robust ETL processes, ensuring structured, high-quality data for precise analysis.

**Tech Stack:** Tableau, MS Excel, SQL

### Prediction of Diabetes using Machine Learning Algorithms| [LINK](#)

Nov'24

- Implemented and evaluated models (Logistic Regression, Naïve Bayes, Decision Tree) on the Pima Indians Diabetes dataset.
- Performed thorough preprocessing: normalization, outlier removal, and data partitioning.
- Evaluated models using confusion matrix, accuracy, and ROC analysis.
- Used caret, ggplot2, e1071, and ROCR for insights and clinical interpretability.

**Tech Stack:** R, caret, ggplot2, e1071, ROCR

## CERTIFICATES/ CERTIFICATIONS

- Cloud Computing by Swayam NPTEL Nov'24
- Full Stack Development using MERN by Cipher Schools Jul'24
- Prompt Engineering by Coursera Jan'24

## ACHIEVEMENTS

### HP Power Lab – Round 1 Qualified:

Jan'25

Accomplished online Assessment in HP Power Lab, showcasing technical proficiency and analytical abilities.

### Flipkart Grid 6.0 – Level 1 Qualified:

Aug'24

Advanced past Level 1: E-Commerce & Tech Quiz in Flipkart's global tech challenge, competing against 40,000+ participants.

## EDUCATION

### Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.44**

Punjab, India

Jul'26

### Little Flower House

Intermediate; **Percentage: 75.4%**

Varanasi, Uttar Pradesh

Mar'21

### Vivekanand Public School

Matriculation; **Percentage: 79.2%**

Bhojpur, Bihar

Mar'19