

Mo Sahil

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Projects

Titanic Survival Prediction | *Flask, Machine Learning, AJAX* **Dec 2024 – Jan 2025**

- Built a Flask-based web application to predict Titanic survival outcomes using a trained machine learning model.
- Designed an interactive UI with AJAX to provide real-time predictions without page refresh.
- Allowed users to input features like age, sex, class, and fare to receive survival predictions dynamically.
- Enhanced the UI design to ensure seamless and responsive user experience.
- Incorporated data preprocessing to match the model's expected input format for accurate predictions.
- GitHub Repository Link: **Titanic-Survival-Prediction-Web-App**
- Deployment Link: **Live Demo**

Sudoku Solver | *Java, Swing, Backtracking Algorithm* **Jun 2024 - Jul 2024**

- Created a Sudoku-solving application using Java and Swing with an intuitive and user-friendly graphical interface.
- Engineered a backtracking algorithm to efficiently solve Sudoku puzzles, ensuring optimal performance and accuracy.
- Enabled users to input, solve, and reset Sudoku grids with real-time updates for an interactive experience.
- Integrated puzzle validation to enforce Sudoku rules before processing solutions.
- Focused on improving algorithm efficiency, UI responsiveness, and overall user engagement.
- GitHub Repository Link: **SudokuSolver**

Restaurant Website | *HTML, CSS, JavaScript* **Oct 2022 - Dec 2022**

- Developed a responsive restaurant website using HTML, CSS, and JavaScript to showcase menu offerings, services, and contact details.
- Implemented a visually appealing layout with interactive elements for enhanced user experience.
- Optimized the site for performance and responsiveness, ensuring smooth navigation across devices.
- GitHub Repository Link: **Restaurant-Website**
- Deployment Link: **Live Demo**

Certificates

Ethical Hacking **Oct 2024**

NPTEL | IIT Kharagpur — [Certificate Link](#)

Competitive Programming **Jul 2024**

Hitbullseye | Lovely Professional University — [Certificate Link](#)

Data Structures and Algorithms **Nov 2023**

Cipher Schools – [Certificate Link](#)

Technical Skills

Languages C++, Java, JavaScript, R, SQL, Python

Technologies/Frameworks: React JS, Node JS, Git, GitHub, Ubuntu, Tableau (Data Visualization)

Skills: Data Structures and Algorithms, Problem-Solving, Full-Stack Web Development (MERN), Predictive Analytics(R)

Achievements

- **Won Bronze Medal in SOF National Cyber Olympiad:** **N.C.O. 2018-2019**
 - Secured 3rd Rank in City and 324th Rank Internationally.

Education

Lovely Professional University Punjab **2022 – 2026**

Computer Science and Engineering — CGPA: 8.57

Jalandhar, Punjab

R. R. D. S. Inter College Bangarmau Unnao **2019 – 2021**

12th with Science — Percentage: 82.40%

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