

Utkarsh Tiwari

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PROJECT EXPERIENCE

AviaTours

Client Project

[Live Demo]
January 2025

Engineered a **MERN stack** platform for tour planning and booking, increasing user engagement.
Implemented a **secure authentication system** and streamlined advanced booking features.
Developed a **user-friendly interface**, allowing seamless browsing, booking, and customization of tour packages.
Deployed on a paid domain, generating consistent revenue from bookings.

N-Queens Visualizer

Data Structures Project

[GitHub]
November 2024

Designed an **interactive N-Queens Problem visualizer** to solve NxN chessboard configurations.
Utilized **HTML CSS** for UI design and **JavaScript** for real-time logic execution.
Integrated **step-by-step simulations**, allowing users to visualize solutions dynamically.
Optimized performance for various board sizes with adjustable speed settings.

Zomato Data Insights Dashboard

Data Science

[Live Demo]
April 2025

Designed and developed an **interactive Power BI dashboard to analyze Zomato restaurant data**.
Utilized **Power BI** to visualize key metrics such as customer ratings, order trends, and location-based insights.
Implemented **dynamic filtering**, drill-downs, and slicers for intuitive data exploration.
Enhanced performance with optimized data models and DAX measures.

TRAINING & INTERNSHIP

Full-Stack Development Using MERN Stack

Cipher Schools

April 2024 - July 2024
[Certificate]

Developed a responsive MERN stack platform for tour booking.
Implemented JWT authentication, payment integration, and an admin dashboard.
Optimized database queries, improving efficiency and reducing booking processing time.

CERTIFICATIONS

Full-Stack Development Using MERN Stack

Cipher Schools, 2024

Mastering Data Structures and Algorithms (C & C++)

Udemy, 2023

Java: Basic to Advanced

Programmers Point, August 2024

The Bits and Bytes of Computer Networking

Coursera, 2023

SKILLS

Programming Languages: Java, C, C++, JavaScript, TypeScript, HTML, CSS

Core Concepts: Data Structures, Algorithms, Operating Systems, Computer Networks, Software Development Lifecycle

Frameworks Technologies: ReactJS, Angular, ExpressJS, NodeJS, REST API, MongoDB, MySQL, Tailwind CSS, Bootstrap

Soft Skills: Problem-Solving, Critical Thinking, Collaboration, Communication, Adaptability, Time Management

EDUCATION

Lovely Professional University, Punjab

CGPA: 7.40 | 2022 - 2026

Bachelor of Technology in Computer Science and Engineering

St Mary's Convent S.Sec. School, Dewas, India

Percentage: 79.0% | 2020 - 2022

Senior Secondary (CBSE XII)

EXTRA CURRICULARS

Competitive Programming | Online Judges

- Solved 600+ problems on LeetCode, Codeforces, ,GFG,HackerRank and AtCoder.
- Regularly participate in coding contests and peer discussions to refine DSA skills.
- Consistently improve problem-solving efficiency through structured practice.

Sports & Leadership

- National Softball Player (Madhya Pradesh State-Level)
- Represented college basketball team, leading as Vice-Captain