Utkarsh Sharma

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PROJECTS

Fling
09/2024 - Present
- Developed a responsive two-way communication platform enabling real-time text, video, and audio transfers using React, Node.is, and WebSocket.
- Collaborated on backend development to ensure reliable and scalable message and media handling
- Optimised real-time data transfer using WebRTC and WebSocket protocols, resulting in a 15% increase in user engagement through faster and more reliable communication.
- Implemented secure user authentication and authorization using JWT (JSON Web Tokens) to safeguard user data and communication

RouteSync
03/2024 - 05/2024
- Developed a real-time route optimization application using React, Node.js, and Google Maps API, providing users with the most efficient travel routes.
- Implemented algorithms to dynamically calculate and highlight the fastest routes based on real-time traffic data, resulting in an average 10% reduction in travel time for users.
- Integrated with weather APIs to identify and showcase high-risk areas due to adverse weather conditions, enhancing user safety.
- Designed an intuitive user interface, ensuring seamless interactions and an enjoyable user experience.

TravelTrove
11/2023 - 02/2024
- Developed a personalized travel recommendation platform using React, Node.js, and PostgreSQL, enabling users to plan customized itineraries.
- Implemented a user-friendly interface allowing users to customize preferences, budget, interests, and travel dates.
- Leveraged machine learning algorithms to analyse user data and provide personalized recommendations, resulting in a 20% increase in user satisfaction.
- Integrated with external APIs to access real-time data on flights, hotels, and attractions, providing comprehensive and up to date

EDUCATION

Bachelor of Technology, Information Technology Engineering
Acropolis Institute of Technology and Research • Indore • 2025 • 7.42

Intermediate
Choithram School North Campus • Indore • 2021 • 77%

SKILLS

Programming Languages: C, C++, Java, JavaScript

Databases: MongoDB

Technologies: React, Node.js, Express.js, Tailwind CSS, Git/GitHub, Mongoose, Postman

ACHIEVEMENTS

- Winner of IOT Model Competition (02/2023)
  I lead my team, and we made a IOT Home automation system using Arduino and Bluetooth Module to Automate a miniature House
- Qualified to the Final round of HackHive (03/2024)
  I lead my Team in National Hackathon HackHive organised by TechHunter at DAVV and we Qualified till the Final round.
- Nodal High Jump Winner (10/2023)
  I represented by College in Nodal Level Athletics Competition and Placed 1st in Boys High Jump

ORGANISATION

AITR-ACM (05/2023 - Present)
I am a Full Stack Web Developer in AITR-ACM and Learned new Technologies like Node.js and WordPress while Working.

LANGUAGES

- English, Proficiency -4/5
- Hindi, Proficiency -5/5

SOFT SKILLS

- Accountability
- Leadership
- Teamwork