

# Adit katiyar

 Github |  LinkedIn |  aditkatiyar.tech |  aditkatiyar101@gmail.com

## EDUCATION

Aug 2023 - Jul 2027	<b>B.Tech in Computer Science (Specialization in Data Science)</b> Manipal University Jaipur <i>Coursework:</i> Data Structures & Algorithms, Computer System Architecture, Statistics & Probability, OOP, Operating Systems, DBMS	<b>CGPA: 8.9/10.0</b>
2022	<b>Class 12th ISC Board</b>	<b>91.25%</b>

## SKILLS

Web Technologies	React, Vue.js, Node.js, JavaScript, HTML5, CSS3, Bootstrap
Programming	JavaScript, Python, Java, C++, Express.js
Database & Tools	MongoDB, MySQL, Git, GitHub, Adobe Creative Suite
Hardware & IoT	ESP32, Arduino, Circuit Design, Embedded Systems
Cloud & Deployment	Netlify, Vercel, Database Management, System Design

## PROJECTS

### HireIndex - ATS Resume Analyzer

- Developed web application analyzing CVs/resumes to generate ATS compatibility scores using ML algorithms
- Built responsive React-based UI with real-time analysis and actionable optimization recommendations
- Implemented keyword matching system to identify gaps between job descriptions and resume content

### Ember - Open Source Streaming Platform

- Developed feature-rich streaming platform with content categorization for movies, TV series, and anime
- Integrated multiple external APIs ensuring extensive media library with advanced search capabilities

### Amanstar - Full-Stack Web Application

- Collaborated with 4-member team to architect and deploy web application using modern JavaScript frameworks
- Implemented secure user authentication with JWT tokens and integrated RESTful APIs for content management

## WORK EXPERIENCE

**Fall Detection Wearable System — ThinkCraft Intern** Aug 2025 - present  
Designed and developed a comprehensive fall detection wearable system using ESP32-C3 microcontroller, integrating MPU6050 accelerometer/gyroscope, SIM800L GSM module, and Neo-6M GPS for real-time emergency monitoring

**Technical Secretary — IEEE WIE MUJ** Aug 2024 - May 2025  
Served as Technical Secretary for IEEE Women in Engineering chapter, organizing and coordinating technical events including Promptopia, DataPulse, and Bits & Brews 5.0

**Amanstar — Freelance Project Frontend Developer** Jun 2025 - July 2025  
Collaborated with a 4-member development team to build and deploy a complete web application, focusing on frontend development and user interface design

## PATENTS

**Vertically Integrated Data Center System with AI-Based Cooling** Patent No. 202511056772  
Invented advanced data center cooling system combining AI-driven thermal management with Phase Change Material (PCM) immersion cooling technology. The system optimizes energy efficiency by up to 40% while supporting high-density computing workloads through predictive temperature control and automated cooling adjustments.