

Adit katiyar

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EDUCATION

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

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.