

# KUNAL TYAGI

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## EDUCATION

### Manipal University Jaipur, Rajasthan

B. Tech in Computer Science and Engineering (Core)

CGPA: 7.71 (as of 3rd Semester)

Jaipur, Rajasthan  
Oct 2024 – May 2028

## SKILLS

- Programming Languages: C, C++, Python, SQL
- Web Development: HTML, CSS, JavaScript, React, Node.js, Tailwind CSS
- Data Analysis and ML: NumPy, Pandas, Matplotlib, Seaborn, Scikit -Learn, Regression Analysis
- Tools & Platforms: Git, GitHub, VS Code

## WORK EXPERIENCE

### AIML Community, Manipal University Jaipur

Senior Coordinator – Finance & Registration Team

- Managed registrations and financial operations for an overnight hackathon and an Ideathon
- Coordinated with team members to ensure smooth participant onboarding and event execution

## PROJECTS

- 1) **Credit Card Fraud Detection System | React, Python, ML** - Developed a machine learning-based system to detect fraudulent credit card transactions in real time. Implemented data preprocessing and model training using Logistic Regression and XGBoost. Built a React-based frontend and integrated ML model outputs for real-time prediction display
- 2) **News Aggregation Website | React, JavaScript, APIs** - Built a dynamic news website that fetches real-time geopolitical and local news. Integrated News API to retrieve location-based content dynamically. Designed a responsive UI using React and handled asynchronous API calls efficiently.
- 3) **Scientific Calculator | HTML, CSS, JavaScript** - Developed a web-based calculator supporting arithmetic operations, integrals, and differentials. Implemented clean UI design with efficient JavaScript logic for complex mathematical functions. Focused on usability and accuracy of computational results
- 4) **Digital Clock Application | React, JavaScript** - Implemented a real-time digital clock application with live time updates. Used API-based time synchronization for accuracy. Designed a lightweight and responsive interface using React

## RESEARCH EXPERIENCE

### AI in Healthcare Research (Ongoing) | Machine Learning

- Authoring an IEEE-format research paper focused on applying machine learning techniques to healthcare data analysis and prediction.
- Exploring regression-based and representation learning approaches for clinical outcome prediction and risk assessment.