

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, Sckit -Learn, Regression Analysis
 - Tools & Platforms: Git, GitHub, VS Code
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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
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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
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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.