# AMAN KUMBHALWAR

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## Education

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| **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY** | June. 2019 – June 2023 |
| *Bachelor of Engineering (Computer Science)* | *Nagpur, Maharashtra* |

## Relevant Coursework

- Programming Languages
- Data Structures
- Algorithms
- OOPS
- DBMS
- Operating Systems
- Software Principles
- Computer Networks
- Web Development
- Mathematics
- Artificial intelligence
- Cybersecurity

## Projects

**NFT Marketplace** | *React, Tailwindcss, Solidity, Metamask, Material UI, Polygon* — **October 2023**

- NFT marketplace that allows users to create, buy and sell digital art on the blockchain.
- I used React and Tailwindcss for the front-end, Solidity for the smart contracts, Metamask for the wallet integration, Material UI for the UI components and Polygon for the network.
- I learned how to use web3.js to interact with the blockchain, how to write secure and efficient code in Solidity, how to design a responsive and user-friendly interface with Tailwindcss and Material UI, and how to deploy and test my application on Polygon.
- Link

**MOVIEMOODS** | *React, Redux, Material UI* — **September 2023**

- I created a web application called MovieMoods, which enables users to search and browse movies based on their mood and preferences. I utilized the TMDB API to retrieve movie data, React and Redux to build the front-end, Material UI to design the user interface, and Alan AI to implement voice searching.
- A mood-based filtering system that recommends movies according to the user's selected emotions and genres.
- A voice recognition system that allows users to search for movies by speaking their queries.
- A responsive and user-friendly design that adapts to different screen sizes and devices .
- Link

**INTELLIGENT AI CHATBOT** | *Python, Flask, Dialogflow* — **April 2023**

- One of my most significant projects was an intelligent AI chatbot that I developed with my team as our final year project. I was the team leader and I used Python, Flask, Dialogflow, and a Kaggle dataset for diseases.
- The chatbot could diagnose diseases based on the user's symptoms and ask follow-up questions to refine the results.
- It could also suggest medicines, exercises, and food diets for each disease.
- We deployed the chatbot on Telegram and tested it with real users.
- Link

## Technical Skills

**Languages**: C++, Java, Python, HTML/CSS, JavaScript, SQL
**Developer Tools**: VS Code, IntelliJ, Android Studio
**Technologies/Frameworks**: Linux, Docker, GitHub, JUnit

## ACHIVEMENTS

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| **RESEARCH PAPER** | **June 2023** |
| *INTELLIGENT AI CHATBOT* | *RTMNU* |

- One of my achievements is publishing a research paper on an intelligent AI chatbot in the International Research Journal of Modern Engineering and Technology Sciences (IRJMETS) website.
- The paper describes the design and implementation of a chatbot that can interact with users in natural language and provide relevant information and services.
- Link to Research Paper

## Hobbies

- Sketching
- Badminton
- Reading