

Nikhil Patel

Roll No.: 205122055

Master of Computer Applications

National Institute of Technology, Tiruchirappalli

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GitHub Profile

LinkedIn Profile

Education

-Master of Computer Applications

National Institute of Technology, Tiruchirappalli, Tamil Nadu

2022-25

CGPA: 7.11*

-Bachelor of Science (Computer science)

Christian Eminent College, Indore Madhya Pradesh

2019-22

percentage: 74.91

Personal Projects

E-learning Platform | E-learning Application

GitHub

- Built dynamic e-learning platform with video lectures, PDF downloads, and admin-controlled course publishing
- Integrated secure login using JWT and Google OAuth, and implemented AI-based PDF-to-quiz generation
- Enabled PayPal payments, file uploads with Multer, and global state handling via Redux Toolkit
- Technology Used: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT, Google OAuth, PayPal API, Redux Toolkit

Blogsphere | Full-Stack MERN Blog Application

GitHub

- Developed responsive blog platform with secure authentication using React.js and Tailwind CSS
- Implemented admin dashboard for user management and content moderation
- Integrated full-text search, CRUD operations for posts/comments, and real-time notifications
- Technology Used: React.js, Tailwind CSS, React Router Dom, JWT, Google OAuth, Redux Toolkit, MongoDB

Words Search Puzzle | Interactive Browser-Based Word Game

GitHub

- Developed interactive word search game with grid-based UI and intuitive controls
- Implemented scoring system with local storage for high scores, and comprehensive game mechanics
- Enhanced user experience with custom animations, hint system, and responsive design
- Technology Used: JavaScript, CSS, HTML, jQuery, Bootstrap

Emojify | Real-Time Emotion Recognition Application

- Implemented real-time face detection and emotion prediction system for images and video
- Engineered and trained a CNN on diverse facial datasets for accurate emotion classification
- Integrated seamless emoji transformation based on predicted emotions
- Technology Used: Python, TensorFlow, CNN, OpenCV, Image Processing

Technical skills and Interests

Languages: C/C++, Python, Javascript, HTML+CSS,Java,SQL

Libraries : C++ STL, Python Libraries, ReactJs

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: ReactJs

Cloud/Databases:MongoDb, Firebase, Relational Database(mysql)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Web Design and Development, Problem Solving.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

Positions of Responsibility

-Member, Alumni Relations Committee (ARC),

Jan 2024 - Present

– Version'24 (A National Level MCA Technical Symposium)

Achievement

-NIMCET 2022 All India Rank 102 in National level MCA entrance examination NIMCET 2022. July 2022