

NIKHIL VASIREDDY

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EDUCATION

Program	Institute	Year	CGPA
Bachelor of Technology(CSE)	IIT SriCity	2026	8.6/10
Senior Secondary Education (XII)	FIITJEE Hyd	2021	94.6%
Secondary Education (X)	Aditya High School	2019	9.8/10

SKILLS

Technical Languages: C++, C, JavaScript, Python

Course Work: DSA, Operating Systems, DBMS, OOP, Computer Networks, Software Engineering.

Technical Skills: React.js, Node.js, Express.js, Redux, Full-Stack Development, Cloud Computing.

Soft Skills: Problem solving, Aptitude, Reasoning, Leadership, Management, **Good Communication.**

Tools: VS Code, MySQL, IntelliJ.

PROJECTS

Protein Prediction Using 3D images | Deep learning using Resnet 50

November 2024 – PRESENT

- Developed a Deep-Learning Model to identify the diseased protein under the correct disease class.
- Used Resnet50 and removed the last layer and combined it with MLP.
- The Most unique thing which we did was we trained the model with 1600x1600 resolution images with t4-GPU and trained with our own CUSTOM CREATED dataset
- Used Patches and trained with only important patches. For reducing the unnecessary Computation.
- Achieved 83 percent accuracy.

Opinion Exchange Forum | EJS, Node.js

JUNE 2023 – AUGUST 2023

- Built a discussion platform where users can share opinions and interact with posts.
- Used EJS for server-side rendering and Express.js for backend logic.
- Implemented authentication and user sessions for secure access.
- Technologies: Node.js, Express.js, MongoDB, EJS

News App | React, NewsAPI

FEBRUARY 2024 – MARCH 2024

- Created a real-time news aggregator using NewsAPI for categorized news updates.
- Implemented dynamic category filtering, search functionality, and pagination.
- Styled the UI using Bootstrap to ensure responsiveness across devices.
- Used React hooks and Axios to handle API data fetching and state management.

Venture Genesis – Look and connect startups and investors | React, Node.js, Express, MongoDB

AUGUST 2024 – Present

- Developed a full-stack web application with React.js (frontend), Node.js and Express.js (backend), and MongoDB (database).
- Implemented RESTful APIs, CRUD operations, and efficient data storage using MongoDB.
- Explored modern frameworks and AI-based tools for enhancing user experience.

ACHIEVEMENTS

- Solved 150+ DSA problems across various platforms, improving algorithmic and problem-solving skills.
- Attended a 3-day ACM workshop with 100+ participants, focusing on cutting-edge research opportunities and trends in Computer Science hosted by IIT Madras.
- Joined a global network of 20,000+ engineers, contributing to innovative solutions and participating in industry-leading discussions.
- Attended workshops on efficient use of Artificial Intelligence(AI) conducted by a startup AiForTechies.
- Attended webinars conducted by Be10X and AiForTechies on using efficient usage of A.I tools for python and sql.
- joined the 6 weeks communication masterclass by **thinkSchool**.

POSITION OF RESPONSIBILITY

Direction Domain Lead, Film Club, IIT Sri City

- Starred as the main lead in the film "**ARJUN #alterEGO**"
- Directed two Intro AD films, overseeing scripting, casting, and editing.
- Conducted workshops on film analysis and critical thinking.

Led all the group projects assigned in college.

Helped 5+ known local MSME's with branding and marketing strategies.