

MEDAPATI VIJAY REDDY

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EDUCATION

Aditya Engineering College Kakinada
B.Tech Computer Science and Engineering *GPA: 8.01*

Kakinada
June 2016 - Sept 2020

WORK EXPERIENCE

Next Education
Software Engineer

Hyderabad
Aug 2022 - Present

- Enhanced eBook functionality by integrating the Panzoom.js library and extending it to support swipe gestures for page change and double-click for displaying word meanings.
- Provided client-side support for AI-based learning tools by implementing frontend functionality. Customized and integrated open-source tools like Scratch (React) and jspainter (Jquery) and implemented a TuxPaint clone using Fabric.js for CS tools. Developed progress tracking reports for all these tools using Highcharts.
- Developed Content Copier, a Windows desktop application utilizing Angular, Electron, and Node.js, which reduced manual data transfer times by 66% and streamlined processes for field team.
- Created a mobile-friendly annotation tool for PDFs and images, designed for use by both students and teachers, enhancing accessibility and functionality.
- Optimized the performance and stability of a legacy digital whiteboard by leveraging Fabric.js, resulting in smoother and more reliable user interactions.
- Migrated over 12 Flash-based 2D simulations to web-based technologies using Raphael.js, improving cross-platform compatibility and overall performance.
- Angular, AngularJS, Javascript, Jquery, FabricJs, Raphael.js, ElectronJs, Node.js

TCS
Assistant System Engineer

Remote
Feb 2021 - July 2022

- Provided support for multiple .NET-based projects, including writing queries and generating reports.
- Fixing bugs in the Angular dynamic forms application
- Conducted research and development on upgrading .NET projects and successfully upgraded outdated servers to ensure security compliance.
- Angular, .NET, MySql

Mounty
Frontend Developer Intern

Hyderabad
July 2019 - Sept 2019

- Implemented a page for campsite owners to upload details and images.
- Refactored the codebase to introduce reusable components, enhancing code maintainability and operational efficiency across the project.
- Nuxt.js, Node.js

SKILLS

Web Development: HTML, CSS, JavaScript, Angular, TypeScript, Node.js, Electron.js, REST API

PROJECT WORK

NgBoard *Angular, Fabric.js, JavaScript, Canvas*

<https://vijay18399.github.io/ngBoard>

Developed a full-featured digital whiteboard application with functionalities including drawing, text annotations, laser pointers, image insertion, and zoom control.

Talkie *Ionic, Angular, Node.js, Socket.io, REST API*

Developed a hybrid Android chat application with real-time messaging, spam detection, language translation, file uploads, polls, and group chat functionality.

CERTIFICATES

Programming, Data Structures, and Algorithms using Python

NPTEL

Introduction to Modern Application Development

NPTEL

Introduction to Programming Using Python

NPTEL