Medapati Vijay Reddy

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EDUCATION

Aditya Engineering College — Kakinada
B.Tech Computer Science and Engineering *GPA: 8.01* — June 2016 - Sept 2020

WORK EXPERIENCE

Next Education — Hyderabad
Engineer — Aug 2022 - Present

- Implemented panzoom and two-page layout features for eBooks to enhance navigation and reading experience
- 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) for seamless launchability and communication. Developed progress tracking reports for all these tools using Highcharts
- Developed Content Copier, a Windows app utilizing Angular, Electron, and Node.js, which reduced manual copy time by 66%. It facilitates copying learning content based on board and the class selection and transferring data from drive to drive or drive to pen drive.
- Reimplemented an AngularJS directive for image and PDF annotation, into a Javascript module with mobile-friendly features.
- Improved stability of legacy digital whiteboard on older fabric.js with critical bug fixes, maintaining optimal performance without upgrading.
- Developed 12+ 2D simulations from scratch in Flash to modern tech migration using Raphael.js.
- Angular, AngularJS, React, Javascript, Jquery, FabricJs, Raphael.js, ElectronJs, Node.js

TCS — Remote
Assistant System Engineer — Feb 2021 - July 2022

- Provided support for .NET maintenance projects, writing queries for data deletion and generating client-required reports.
- Fixed bugs in the Angular dynamic forms application to ensure optimal functionality.
- Conducted R&D and managed collaboration with the server team for upgrading to a supported CLR version, enhancing security and earning client appreciation.
- Angular, .NET, MySql

Mounty — Hyderabad
Frontend Developer Intern — July 2019 - Sept 2019

- Implemented a customer page where users can fill their campsite details and upload pictures.
- Implemented a single configurable input component to be used in entire project.
- Nuxt.js, Node.js

SKILLS

Web Development: Angular, TypeScript, AngularJS, React, JavaScript, Node.js, HTML5, CSS3, jQuery

PROJECT WORK

Whiteboard *Angular, Fabric.js* — vijay18399.github.io/ngBoard
Developed a robust digital whiteboard from scratch, Enriched with features like drawing, erasing, laser tool, text input, shapes, zoom, image support, and multi-page functionality.Used Angular and Fabric

Talkie (2019) *Ionic Angular Node.js Socket.io*
Developed Talkie, a hybrid Android chat app for the final year project, featuring advanced functionalities like spam detection, language translation, and versatile chat options such as text messaging, file uploads, polls, and group chats. Used Ionic, Angular, and integrated Node.js with Socket.io for seamless communication.

CERTIFICATES

Programming, Data Structures and Algorithms using Python — NPTEL

Introduction to Modern Application Development — NPTEL

Introduction to Programming Using Python — NPTEL