

# Medapati Vijay Reddy

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## Skills

**Languages:** Python, JavaScript, C#

**Technologies & Tools:** Angular, Node.js, .NET, MySQL, Git

## Work Experience

**Next Education, Hyderabad**

Aug 2022 - Present

**Engineer (R&D)**

- Provided client support for various learning tools, which includes speaking, writing and CS. Integrated open-source tools like Scratch and jsPainter, while enhancing the legacy whiteboard with Tux Paint features.
- Transformed an 18-hour manual content copying into a 6-hour streamlined process with the Windows application, Content Copier, utilizing Angular, Electron, and Node.js.
- Revamped an AngularJS directive for image and PDF annotation, converting it into a mobile-friendly JavaScript module with intuitive features such as pinch zoom, pan, and seamless adaptation across various screen sizes.
- Improved stability of legacy digital whiteboard on older fabric.js with critical bug fixes, maintaining optimal performance without upgrading.
- Developed 12+ educational simulations from scratch and resolved bugs in Flash-to-modern-tech migration, showcasing expertise in Raphael.js, AngularJS.
- Angular, AngularJS, Javascript, FabricJs, Electron, Node.js

**TCS, Remote**

Feb 2021 - July 2022

**Assistant System Engineer**

- Engineered SQL queries for the deletion of unsupported or inconsistent data, securing continued functionality, and crafted customized reports aligned with client specifications.
- Focused on identifying and rectifying bugs in the Angular dynamic forms application, ensuring optimal functionality.
- Led an R&D initiative to identify servers running .NET 4.5, conducted in-depth research, and upgraded to a supported CLR version for enhanced security, earning client appreciation.
- Angular, .NET, MySql

**Mounity, Hyderabad**

July 2019 - Sept 2019

**Frontend Developer Intern**

- Crafted a customized Customer Dashboard for campsite, adventure, and travel providers, incorporating versatile features and facilitating efficient data exchange through seamless file uploads and form submissions.
- Spearheaded a comprehensive refactoring effort, optimizing the entire codebase for improved readability, maintainability, and performance.
- Nuxt.js, Vue.js, Node.js

## Education

**Aditya Engineering College**

June 2016 - Sept 2020

B.Tech. in Computer Science and Engineering

**CGPA: 8.01/10**

## Project Work

- **Whiteboard (2023):** 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):** 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
- Introduction to Modern Application Development
- Introduction to Programming Using Python