

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 side support for multiple AI based learning tools. Integrated open-source tools like Scratch and jsPainter to current system.
- Developed Content Copier, a Windows app built with Angular, Electron, and Node.js which reduced manual copy time by 66%.
- Reimplemented an AngularJS directive for image and PDF annotation, converting it into a mobile-friendly JavaScript module with user friendly 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, ElectronJs, 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

B.Tech. in Computer Science and Engineering

June 2016 - Sept 2020

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