

Vijay Reddy Medapati

Front-End Engineer

Portfolio: [vijay18399.github.io](https://github.com/vijay18399)

vijayreddy18399@gmail.com

Mobile: +91-6301832161

LinkedIn: [linkedin.com/in/vijay18399](https://www.linkedin.com/in/vijay18399)

PROFESSIONAL SUMMARY

Front-End Developer with 4 years of experience specializing in React, Next.js, and Angular, with expertise in web performance optimization, responsive design, and cross-browser compatibility. Proficient in JavaScript frameworks. Skilled in HTML5, CSS3, and TypeScript, focused on delivering clean, high-performance web experiences.

EXPERIENCE

- **Next Education** Hyderabad, Telangana
Engineer *Aug 2022 - Present*
Developing features and products from scratch as part of the JS Team in the Research and Development Department, Responsible for troubleshooting issues, extending libraries, and delivering efficient solutions in a fast-paced environment.
 - **Web Builder Development:** Developing a Web builder, allowing users to customize their site using React and GrapesJS in a Next.js environment. Extending GrapesJS to enhance its functionality and user experience, making it comparable to Wix.
 - **AI Learning Tools:** Developed the UI for 10+ AI-based learning tools in the Speaking and Writing categories.
 - **Internal Application Development:** Developed an internal application for the field team to streamline DRM content copying, leveraging Angular 15, Electron.js, and Node.js, resulting in a 60% faster workflow.
 - **Automation:** Created a Node.js script to automate AR DB generation, significantly reducing manual effort.
 - **Legacy System Migration:** Migrated 12+ Flash-based 2D simulations to Angular using Raphael.js.
 - **Feature Development:** Engineered a mobile-friendly annotation tool for PDFs and images using Fabric.js.
 - **Technology Adaptability:** Worked across diverse stacks, including AngularJS (1.x), Angular, React, and Next.js.
- **Tata Consultancy Services** Remote
Assistant System Engineer *July 2019 - Sept 2019*
Provided support and enhancements for .NET-based applications with an Angular front-end.
 - **Client Support and Maintenance:** Provided support for multiple .NET maintenance projects, wrote SQL queries for generating reports, and resolved faulty data based on client requirements.
 - **Security and Infrastructure Upgrade:** Conducted R&D and worked with the system team to upgrade 200+ servers on schedule, improving security compliance.
 - **Feature Development:** Implemented cascading dropdowns and displayed reports based on user selection.
- **Mounity** Hyderabad, Telangana
Frontend Developer Intern *July 2019 - Sept 2019*
Worked as part of the UI team, developing with Nuxt.js and Vue.js.
 - **Codebase Refactoring:** Refactored the codebase to introduce reusable components, improving code maintainability and overall developer experience.
 - **Campground Host Page Development:** Developed a Campground Host Page allowing owners to upload campsite details, images, and videos for better visitor engagement.

PROGRAMMING SKILLS

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|--------------|--------------|---------------|-------------|------------|
| ● React.js | ● HTML5 | ● Electron.js | ● D3.js | ● REST API |
| ● Next.js | ● CSS3 | ● Fabric.js | ● Grapes.js | |
| ● Angular | ● JavaScript | ● Raphael.js | ● Vis.js | |
| ● TypeScript | ● Node.js | ● Highcharts | ● Canvas | |

PROJECTS

NgBoard

Developed an interactive digital whiteboard with drawing tools, text annotations, and advanced features like a laser pointer, smooth brush strokes, and a paint bucket by extending Fabric.js brushes. Implemented pan-zoom controls for seamless navigation, image insertion, and multi-page support.

Tools Used: Angular, Fabric.js.

Spell Bee

Developed an interactive spelling app where users practice words categorized by difficulty levels (A1 to C1). Built a Node.js-powered backend with SQLite for word storage and retrieval. Designed a polished UI using Angular Material and integrated NgRx for state management.

Tools Used: Angular, Angular Material, NgRx, Node.js, SQLite.

PUBLICATIONS

An Enhanced Messenger with Language Translator and Sentiment Analysis (Sept 2020)

M Vijay Reddy, N. Soundarya, M.N.V Ravindra K. Sai Srujana

International Journal of Advance Study and Research Work, Pages 98-107, ISSN: 2581-5997.

CERTIFICATIONS

- **NPTEL Certification:** Modern Web Application Development
- **MTA Certification:** Introduction to Programming Using Python
- **NPTEL Certification:** Programming, Data Structures, and Algorithms Using Python

EDUCATION

- **Aditya Engineering College**
B.Tech in Computer Science, CGPA: 8.01

Kakinada, Andhra Pradesh
Jun 2016 - Sept 2020