

Medapati Vijay Reddy

Hyderabad | vijayreddy18399@gmail.com | 6301832161 | vijay18399.github.io | linkedin.com/in/vijay18399

Education

Aditya Engineering College, B.Tech in Computer Science and Engineering Jun 2016 – Sept 2020

- GPA: 8.01/10.0

Experience

Engineer (R & D Department) , Next Education – Hyderabad, Telangana Aug 2022 – Present

- Developed UI and client-side code for AI-powered English learning tools, integrating real-time APIs for speaking and writing modules.
- Reduced Time to copy content by 60% by implementing a desktop App in Angular, Nodejs , Electron
- Integrated and extended the PanZoom library in the eBook project to support pinch zoom and swipe gestures.
- Developed a tuxpaint web version on top of pre-existing legacy whiteboard (AngularJS , Fabric.js)
- Integrated and extended the Scratch (React) project to support multiple environments, enabling teachers to create questions and students to attempt them.
- Refactored and rebuilt a PDF/image annotation tool for cross-device syncing with pinch-to-zoom support.

Assistant System Engineer, TCS – Remote Feb 2021 – Aug 2022

- Provided support for .NET-based projects, writing queries for generating reports, deleting faulty data based on client requirements.
- Contributed as part of a team for 6 months on researching and upgrading .NET projects for a client. Responsibilities included identifying server requirements, coordinating with stakeholders, and collaborating with the system team to strategize the upgrade process.

Frontend Developer Intern , Mounity – Hyderabad July 2019 - Sept 2019

- Developed a user-friendly interface for campsite owners to upload details and images
- Refactored the codebase to introduce reusable components, enhancing code maintainability and operational efficiency across the project.

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.

Projects

NgBoard View Project

- Built a digital whiteboard with tools like drawing, text annotations, laser, and custom brush for smooth strokes and paint bucket tool and pan zoom using events.
- Tools Used: Angular, Fabric.js

Spell Bee View Project

- Built a mobile-first Spell Bee app enabling users to select word difficulty levels (A1 to C1), with an SQLite database and Node.js for dynamic word generation.
- Tools Used: Angular, Angular Material, ngrx, Node.js, SQLite.

Technologies

Frameworks & Libraries: Angular, Angular Material, Node.js, Electron.js, Fabric.js, jQuery, SQLite