

Kedharnadh

[Portfolio Website](#)

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SUMMARY

- 1.5+ years experienced Software Developer skilled in the MERN stack, building scalable, secure, and intuitive applications. Proficient in solving real-world challenges with clean code and collaboration.

SKILLS

- **Core Areas:** System Design, DSA, DBMS, LLD, HLD, Machine Learning, Natural Language Processing (NLP)
- **Languages:** Java, JavaScript, Python, SQL
- **Frontend:** React.js (Redux Toolkit, Context API), Shadcn UI, Tailwind CSS, Bootstrap, HTML, CSS
- **Backend:** Node.js, Express.js, Fastify, REST API, GraphQL, gRPC, WebSocket, Webhook
- **Databases:** MongoDB, MySQL, MS SQL Server, Neon DB, NoSQL
- **Cloud & Deployment:** AWS EC2, AWS SES, NGINX, PM2, Cron Jobs
- **Tools & Libraries:** Git, Docker, Postman, NumPy, Pandas, Matplotlib
- **Soft Skills:** Leadership, Time Management, Technical Writing, Team Collaboration

EXPERIENCE

- **North South GIS, Hyderabad** Mar 2023 – Jul 2024
 - *Junior Software Developer*
 - **Project: Vasavi Trust (Link):** Engineered an application for Vasavi Trust, enabling administrators and donors across multiple branches to manage operations, access real-time reports, and streamline resource allocation and room bookings.
 - * **Room Booking System:** Led the development of a room allocation and booking platform, improving user experience by automating 90% of manual processes.
 - * **Real-Time Reporting:** Designed features for real-time updates on room availability and bookings, reducing errors 80%.
 - * **Concurrency Control:** Enhanced system reliability with optimistic concurrency control, ensuring 85% accurate bookings during high-traffic periods.
 - * **Tech Stack:** C#, ASP.NET Web API, JavaScript, jQuery, MS SQL Server, Twilio, HTML, CSS, Bootstrap
 - **Project: BSES LT Network Change Management:**
 - * **OTP Services:** Implemented a demo OTP-based login and registration system using Twilio, which helped another team streamline their authentication process and reduce manual login issues.
 - * **Automated Logging System:** Created an API-driven logging module integrated with Oracle DB to track runtime events and errors, reducing production debugging time by 90%.
 - * **Tech Stack:** C#, ASP.NET Web API, MS SQL Server, Twilio, Oracle DB

PROJECTS

- **DevTinder – Developer Networking Platform (Link):** Architected a Tinder-style MERN stack platform where developers create profiles, send/accept connection requests, and engage in 1:1 real-time chat using WebSocket (Socket.io). Integrated AWS SES with Cron Jobs for daily 8:00 AM email digests of new connection requests. Deployed on AWS EC2 with secure JWT cookie-based authentication. Used Redux Toolkit for state management, Singleton pattern for consistency, and DaisyUI for theming and responsive design, including live profile editing and dark/light mode support.
- **LMS using MERN (Link):** Developed a full-stack Udemy-like LMS using the MERN stack with JWT authentication, PayPal integration, Context API for state, and Tailwind/Shadcn UI for styling. Integrated Cloudinary for media storage and course filters to enhance UX. Secured backend with middlewares like Helmet, rate limiting, HPP, mongoSanitize, and CORS to prevent common vulnerabilities. Implemented cookie handling and centralized error logging for improved robustness.
- **Sentiment Analysis on Code-Mixed Data:** Designed a BiLSTM model to classify sentiment in code-mixed (English-Telugu) data, achieving 74% accuracy on labeled datasets using Label-Studio and Doctano for data annotation, significantly enhancing sentiment classification capabilities.

CERTIFICATIONS

- System Design, from iNeuron. ([Link](#))
- Complete Web development by Hitesh, from Udemy. ([Link](#))

EDUCATION

- **RGUKT Nuzvid (IIIT)** Andhra Pradesh, India
 - *Bachelor of Technology - Computer Science and Engineering; GPA: 9.0* May 2019 - Apr 2023

LEADERSHIP & PRESENTATIONS

- **National Service Scheme (NSS)**
 - *Team Leader* May 2018 - May 2020
- Secured 3rd place in a PowerPoint Presentation conducted by SDCAC, IIIT Nuzvid

HOBBIES

- Reading, Yoga, Listening to Music, Cooking