Kedhar Nadh

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SUMMARY

- 1.5+ years experienced Software Development Engineer with expertise in the MERN stack, building scalable and user-centric web applications. Skilled in problem-solving, team collaboration, and writing clean & efficient code.

SKILLS

- System Design, DSA, DBMS, LLD, HLD, Machine Learning, Natural Language Processing (NLP)

- **Languages**: Java, Python, C#, SQL
- **Backend Development**: Node.js, Express.js, Fastify
- **Frontend Development**: React.js, JavaScript, Next.js, Shadcn UI, Tailwind CSS, Bootstrap, HTML, CSS
- **Databases**: MongoDB, MySQL, MS SQL Server, Neon Db, NoSQL
- **Miscellaneous**: Git, Docker, Postman, NumPy, Pandas, Matplotlib, webhook
- **Soft Skills**: Leadership, Writing, Time Management, Team collaboration

EXPERIENCE

- **Software Engineer - 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 90% 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**: Developed OTP-based login and registration services, leading to a 70% reduction in customer service issues related to login.
    * **Automated Logging System**: Created an API-based logging system into the Oracle database, reducing production level debugging time by 90%.
    * **Tech Stack**: C#, ASP.NET Web API, MS SQL Server, Twilio, Oracle DB

PROJECTS

- **LMS using MERN (Link)**: Built 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**: Developed a BiLSTM model to classify sentiment in code-mixed (English-Telugu) data, achieving 74% accuracy on labeled datasets using Label-Studio and Doccano for data annotation, significantly enhancing sentiment classification capabilities.
- **Identification of Human Values Behind Arguments**: Designed a system to categorize human values in natural language arguments, which improved argumentation technology and bridged disagreement gaps, achieving a 65% F1-score.

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: 9.1 — *May 2019 - Apr 2023*
- **RGUKT Nuzvid (IIIT)** — Andhra Pradesh, India
  Pre-University Course - MBIPC; GPA: 7.8 — *May 2017 - May 2019*
- **S K B Z P High School, Ganapavaram** — Andhra Pradesh, India
  SSC; GPA: 10.0 — *May 2016 - Apr 2017*

PARTICIPATION & 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

in : LinkedIn   ○ : GitHub   >_ : LeetCode