# KEDHARNADH

## Software Engineer

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## WORK EXPERIENCE

### SDE Intern
**ITJOBXS**

📅 May 2025 – Sep 2025    📍 Remote, India

- Developed and optimized **MERN stack apps**, ensuring scalability and responsiveness that improved engagement by **40%**.
- Strengthened **auth, validation, and security layers**, cutting spam and unauthorized access by **60%**.
- Built and integrated **RESTful APIs** with optimized **MongoDB queries**, boosting backend speed by **30%**, and enhanced UI with **React.js**.

### Full Stack Developer - Freelance
**Desi QnA**

📅 Oct 2024 – Mar 2025    📍 Remote, India

- Delivered a modular, responsive section of the **Desi QnA** website, improving UX and maintainability.
- Built secure **verification/auth flows** with **Google reCAPTCHA** and advanced bot-detection systems.
- Engineered scalable backend with **Node.js, MongoDB, MySQL**, and shipped a performant stack using **React, Bootstrap, JS, HTML, CSS**.

### Software Developer
**NorthSouth GIS**

📅 Mar 2023 – Jul 2024    📍 Hyderabad, India

- Engineered **dormitory, locker booking & room allocation modules** with a **config-driven UI** for Vasavi Trust (VasaviTrust), automating **90%** of workflows and reducing errors by **80%**.
- Implemented **optimistic concurrency control** and developed **Twilio OTP authentication API** with **Oracle DB logging**, improving booking accuracy and reducing debugging by **90%**.
- Delivered **NSG PAD (Notes App)** with **dynamic, user-defined routes**, CRUD APIs, and integrated **CKEditor** for rich-text editing, enabling controlled and flexible note management.
- Designed and delivered a high-performance full-stack **Minimum Viable Product (MVP)** featuring **MongoDB**-backed scalable persistence and a responsive **React.js** & **Bootstrap** UI.

## TECHNICAL SKILLS

- **Core Areas:** DSA, System Design, DBMS
- **Languages:** Java, JavaScript, C#, Python, SQL
- **Frontend:** React.js (Redux Toolkit, Context API), Tailwind CSS, Bootstrap, HTML, CSS
- **Backend:** Node.js, Express.js, GraphQL, WebSocket, gRPC, REST APIs, ASP.NET Web API
- **Databases:** MongoDB, MySQL, MS SQL Server, NoSql
- **Cloud & Deployment:** AWS services, Docker
- **Tools & Automation:** Git/GitHub, Postman, Cron Jobs

## EDUCATION

**B.Tech. (CSE) – 9.0 CGPA**
**RGUKT Nuzvid (IIIT)**

📅 2019 – 2023    📍 Andhra Pradesh, India

## ACHIEVEMENTS

- **1600+ Rated** on Leetcode.
- Achieved a **5-star rating** in Problem-Solving on HackerRank.
- Solved over **250+ coding problems** across multiple coding platforms.

## PROJECTS

### NetflixGPT – AI-Powered Movie Recommendation Platform

- **React | Redux Toolkit | Firebase | Gemini API | TMDB | Tailwind CSS**
- Built an AI-integrated Netflix using **Gemini Generative APIs** to deliver personalised, genre-mixed movie suggestions.
- Implemented **Firebase Authentication** and managed GPT search/state via **Redux Toolkit**.
- Integrated **TMDB API** for live movie data and crafted a Netflix-inspired responsive UI with **Tailwind CSS**.
- GitHub

### DevTinder – Developer Networking App

- **MERN | Redux Toolkit | AWS (EC2, SES) | Socket.io | JWT Cookies | Tailwind | DaisyUI**
- Built a Tinder-style Developer networking app with a **microservices architecture**.
- Enabled 1:1 real-time messaging via **Socket.io** and secure **JWT cookie-based authentication**.
- Automated daily Email digests at 8-AM using **AWS SES + Cron Jobs**.
- Designed a responsive UI with **DaisyUI & Tailwind** supporting live profile edits and theme switching & deployed on scalable **EC2**.
- GitHub-FE    GitHub-BE

### LMS - Learning Management System

- **MERN | PayPal | Context API | Tailwind | Shadcn UI | Cloudinary | JWT**
- Developed a full-stack LMS with instructor/student dashboards and seamless **PayPal** payments.
- Integrated **Cloudinary** for media uploads and category-based course management.
- Secured backend with **Helmet, CORS, HPP, Rate-Limiting, mongoSanitize** for robust API protection.
- Built a clean, responsive UI using **Tailwind + Shadcn UI** for consistent accessibility.
- GitHub