

# Yeshwanth Krishna

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## PROFESSIONAL SUMMARY

Software Engineer with hands-on experience building scalable MERN stack applications and AI-assisted analytics tools. Proven ability to improve system reliability (30% reduction in production errors) and optimize real-time, high-concurrency workflows. Strong ownership mindset with a focus on performance, correctness, and maintainability.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, C++, Python, SQL, HTML/CSS

**Frameworks:** React.js, Next.js 15, Node.js, Express.js, Redux Toolkit

**Tools:** Git, Docker, AWS (EC2, S3), Jest, Cypress, Redis

**Leadership:** Ownership, Customer Obsession, Bias for Action, Deliver Results, Operational Excellence

**Core CS:** Data Structures, Algorithms, OOP, REST APIs, System Design (Basics)

## EXPERIENCE

### Software Development Engineer

NSRY, SVP (Naval Ship Repair Yard)

Sep 2025 – Present

Sri Vijaya Puram, India

- Architected and refactored core MERN modules for industrial resource management, improving backend responsiveness and data retrieval speed.
- Reduced production-level system errors by 30% by implementing a comprehensive automated testing suite using Jest and Cypress for mission-critical logic.
- Digitized legacy industrial workflows into scalable full-stack applications, ensuring high data integrity and operational reliability in a high-stakes environment.

### Full-Stack Engineering Consultant

Independent / Freelance

Jan 2024 – Present

Remote

- Managed full-cycle SDLC for diverse clients, delivering production-ready platforms using Next.js 15, TypeScript, and AWS.
- Optimized database schemas and API orchestration, improving Lighthouse performance scores by 40% while maintaining backward compatibility for existing users.
- Integrated third-party services including secure payment gateways and LLM-based automation (Gemini 2.0) into existing enterprise systems.

## PROJECTS

### AI-ATS Analytics Engine | React, Node.js, Gemini 2.0, MongoDB

(Live App | Code)

- Built an intelligence platform utilizing Gemini 2.0 for resume-JD alignment, featuring automated parsing and real-time recruitment scoring.
- Developed prompt-chaining logic to deliver deep behavioral insights and technical gap analysis for high-volume hiring pipelines.

### Real-time Collaboration Platform | Next.js, Socket.io, Redis, JWT

(Live App | Code)

- Engineered a distributed synchronization engine achieving sub-100ms latency for concurrent real-time state management.
- Implemented room-based isolation and persistent ledger systems to ensure data consistency across multiple client nodes.

### Pathfinding Analysis Engine | JavaScript, Canvas API, DSA

(Live App | Code)

- Architected a PWA to benchmark search heuristics (A\*, Dijkstra) on complex grids, optimizing for 60FPS rendering of 2500+ nodes.

## EDUCATION

### KL University

Bachelor of Computer Applications

Relevant Coursework: Data Structures, Algorithms, Operating Systems

Vijayawada, India

CGPA: 8.95