

T Neeraj Kalkoor

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PROFESSIONAL SUMMARY

Adaptable engineering student with strong foundations in algorithms, data structures, AI/ML concepts and computer networks. Skilled in problem-solving, optimization techniques, network protocols, and full-stack development with a focus on performance and reliability. Eager to apply technical depth in a challenging environment and continuously grow in software engineering and AI-driven domains.

EDUCATION

Artificial Intelligence and Data Science Engineering (GPA : 9.2)

M.S.Ramaiah Institute Of Technology

2023–2027

Bangalore

II PU (98.67%)

Mahesh PU College

2023

Bangalore

PROJECTS

NewSphere

2025

- * Developed an intelligent news-fetching system that retrieves real-time articles from multiple REST APIs and generates concise AI-driven summaries.
- * Implemented personalization features using user-preference tracking and content interaction history.
- * Integrated search, filtering, and like/save functionality to enhance user engagement and content discoverability.
- * Designed robust data-handling pipelines with retry logic and rate-limit protection for reliable content delivery.

Parallel Web Crawler

- * Developed a multi-threaded, domain-restricted web crawler with configurable parallelism (8/16/32 workers).
- * Implemented a depth-limited, domain-restricted crawling engine with real-time progress tracking via REST APIs and global state management.
- * Developed comprehensive page analysis extracting 10+ metrics (SEO score, health score, response time, metadata quality, media usage, thin content).
- * Built a React + Tailwind dashboard with Recharts visualizations (SEO/Health distribution, performance scatter plots, link frequency charts) and a sortable data table.
- * Integrated CSV/JSON export endpoints, broken-link detection (4xx/5xx), and sequential vs parallel execution benchmarking for performance evaluation.

Online Clothing Store

- * Developed a full-stack e-commerce platform with catalog browsing, cart, wishlist, and order-history modules.
- * Implemented secure user authentication and session management using a Java-based backend.
- * Optimized MySQL schemas and queries to improve data retrieval speed and backend performance.
- * Integrated frontend and backend systems to deliver a seamless, responsive user experience.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, Tailwind CSS, React.js

Backend: Java, Node.js

Database: SQL, MySQL, PostgreSQL

Tools/Platforms: Postman, Git, GitHub, Firebase, Vercel

CERTIFICATES

Front-End Development

2025

Version Control