Anand Raj

rajanand3307@gmail.com | LinkedIn | GitHub | +91 9905400269

Skills

Programming Languages: C, C++, Python, JavaScript, HTML, CSS
Frameworks: Node.js, Express.js, React.js, Langchain, LangGraph
Technologies: CI/CD, AWS, SQL, MongoDB, Git & GitHub, API Integration, Generative AI
Developer Tools: VS Code

Certifications

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional *Aug 2025 Oct 2025*
View Certificate

Projects

Automated Outliner Extractor | AI & NLP | Python, NLP, Regex | ⌂ *Jul 2025 – Jul 2025*

- Built NLP-powered outline extractor achieving 90%+ accuracy across 500+ PDFs, boosting e-commerce content processing efficiency by 35% and saving 4 hours daily in manual review time.
- Architected advanced regex and NLP models for extracting nested list items from product descriptions, achieving 95% parsing accuracy and improving data quality by 40%.
- Streamlined automated export functionality supporting Markdown and plain text formats, reducing manual processing time by 60% and increasing team productivity by 25%.

Yoga Website | Frontend Development | React.js, JavaScript, HTML, CSS | ⌂ *Aug 2024 – Nov 2024*

- Accelerated website performance through React rendering optimization techniques, reducing average load time by 45% to under 1.2 seconds and increasing user retention by 25% across 1,000+ monthly active users.
- Deployed React Router enabling seamless client-side navigation across 8+ application pages, improving overall user flow by 40% and reducing page transition time by 2.3 seconds.
- Designed modern responsive layouts utilizing CSS Grid and Flexbox with UI/UX best practices, achieving 30% improved user engagement metrics and 95% mobile compatibility score.

RESTful API Development | Backend/API | Node.js, Express.js, Postman *Jan 2025 – Feb 2025*

- Launched high-performance RESTful APIs utilizing Express.js framework for structured JSON payload handling, reducing response latency by 30% and supporting 1,000+ concurrent requests with 99.8% uptime.
- Configured comprehensive CRUD operations across POST, GET, PATCH, and DELETE endpoints with robust error handling mechanisms, ensuring 99.9% reliable data manipulation while processing 10,000+ daily API calls.
- Established complete endpoint test coverage through automated Postman test suites, reducing regression defects by 40% and decreasing debugging time by 3 hours per development sprint.

Task Manager | Full Stack | React.js, Node.js, Express.js, MongoDB | ⌂ *Apr 2025 – Jun 2025*

- Orchestrated scalable MERN stack task management application with responsive user interface and modular component architecture, supporting 500+ concurrent users with 99.5% system uptime while handling 5,000+ daily transactions.
- Integrated secure JWT-based authentication system with MongoDB database for persistent data storage, reducing unauthorized access attempts by 60% and achieving sub-200ms database query response times.
- Optimized custom React hooks for efficient application state management, improving real-time task update responsiveness by 40% and reducing component re-render overhead by 35% for 2,000+ registered users.

Achievements & Co-Curricular

- **Adobe India Hackathon (AI & LLM):**
  - Pioneered offline intelligent document analysis system using vector embeddings and quantized 1.6B StableLM model (1GB, CPU-only), processing 3–5 documents in under 60 seconds with 95% accuracy.
  - Constructed local UI with structured JSON output, ensuring 100% on-device computation for data privacy and reducing cloud dependency costs.
- **Competitive Programming:** Solved 350+ algorithmic problems on LeetCode with Global Rank 495,000.
- **Co-Curricular:** Winner at Aarambh (College Cricket Tournament); active in Football competitions.
- **Languages:** English (Fluent), Hindi (Native). **Hobbies:** Music, continuous learning in emerging technologies.

Education

B.Tech in Computer Science and Engineering, VIT Bhopal *Sep 2022 – Ongoing*
CGPA: 7.89/10.0