Anish Kumar Singh

+91-7061186007 | anishsingh210204@gmail.com | linkedin.com/in/anish-ai | github.com/anishsingh234

Dehradun, Uttarakhand, India

Profile Summary

Proven ability in developing full-stack web and mobile applications, integrating AI/ML solutions, and optimizing databases for high performance. Proficient in React, Next.js, React Native, and modern backend technologies with strong foundation in LLMs, RAG systems, and AI agents.

Technical Skills

Languages: Python, C, C++, JavaScript, TypeScript, SQL, HTML5, CSS3
Frontend: React, React Native, Next.js, Expo, shadcn/ui, Radix UI, Tailwind CSS, Three.js
Backend & APIs: Node.js, Express.js, FastAPI, GraphQL, REST APIs, WebSockets
LLMs & AI: Prompt Engineering, LangChain, Hugging Face, Ollama, Reasoning LLMs, RAG (embeddings, vector search), Pinecone, Tool/Function Calling, Chain-of-Thought, Multi-Agent Orchestration, AI Workflows, Stable Diffusion XL
Data & Tools: MongoDB, MySQL, Prisma ORM, ConvexDB, Vercel, Clerk Auth, Git, VS Code, Android Studio

Professional Experience

Full Stack Developer Intern   **Nov 2025 – Present**
Exponent Solutions   *Onsite*

- Develop full-stack web and mobile applications using Next.js and React Native, following modern software engineering and component-driven development practices
- Build responsive user interfaces and scalable backend services with optimized database architectures to support production workloads
- Design and implement efficient data schemas and queries across multiple databases, improving data integrity and query performance
- Collaborate with engineers and product stakeholders to deliver maintainable, testable, and scalable features in an iterative development environment

Technologies: Next.js, React Native, TypeScript, Node.js, MongoDB, Prisma, Testing Frameworks

Projects

HealSync – Healthcare Appointment Platform   **Sep 2025**

- Developed healthcare platform with appointment booking, cancellation, and real-time consultation management for patients, doctors, and admins
- Built doctor dashboard with appointment management, video calling, and patient medical documentation
- Implemented admin panel with role-based access control ensuring HIPAA-compliant data security

Technologies: Next.js, Prisma ORM, MongoDB, Clerk Authentication, Tailwind CSS, shadcn/ui, Vercel

NutriMate – AI-Powered Diet Planning Application   **Jul 2025**

- Developed cross-platform mobile application for personalized meal recommendations and nutritional tracking based on user health goals
- Implemented real-time nutritional tracking with interactive visualization for calories, protein, and carbohydrates
- Integrated Google Gemini AI API to generate intelligent meal suggestions with fallback logic ensuring uninterrupted user experience

Technologies: React Native, Expo, TypeScript, Google Gemini AI, React Context API, Expo Secure Store

Deep Research Agent – Multi-Step AI Research System   **Jan 2026**

- Designed an autonomous AI research agent capable of planning, executing, and synthesizing multi-step research tasks using structured reasoning workflows
- Implemented inference-time reasoning techniques including Chain-of-Thought and self-consistency to improve factual accuracy and depth of analysis
- Integrated live web search via function and tool calling, enabling real-time evidence gathering and generation of grounded research summaries
- Built a controlled agent execution loop (Plan → Retrieve → Reason → Synthesize) to prevent infinite loops and reduce hallucinations

Technologies: Python, LangChain, Open-Weight LLMs (Llama-3, Qwen), Web Search APIs, FastAPI

Education

Bachelor of Technology in Computer Science – AI and Machine Learning   **Aug 2022 – Jun 2026**
Uttarakhand Technical University   *Dehradun, Uttarakhand*

Certifications

Java Programming Certificate — HackerRank — Demonstrated proficiency in Java programming, object-oriented design patterns, and data structures