

# PURNASEKHAR SUNKARA

Visakhapatnam, India 📞 +91 9121975699

✉️ [sekharsunkara2002@gmail.com](mailto:sekharsunkara2002@gmail.com) [Github](#) [Vercel](#) [Portfolio](#) [Linkedin](#)

## Technical Skills

---

**Languages:** Python, TypeScript, JavaScript, SQL

**AI & Generation Systems:** OpenAI API, Anthropic API, Google Gemini, LangChain, LlamaIndex, Tool Use, Prompt Architecture, Function Calling, Agentic Workflows, RAG Pipelines, Generation Pipelines

**Vector & Search:** FAISS, ChromaDB, Pinecone (familiar), Semantic Search, Embedding Pipelines

**Full Stack & Product:** React.js, Next.js, FastAPI, Node.js, REST APIs, Supabase, Tailwind CSS, HTML5, CSS3

**Infrastructure & Scaling:** AWS (EC2, S3, RDS), Docker, GitHub Actions, CI/CD, PostgreSQL, MongoDB, Redis, Linux/Unix, Git

**AI Dev Tools:** Cursor, GitHub Copilot, Claude, ChatGPT

## Projects

---

**SuperClaims - LLM Multi-Agent Pipeline** | *Python, FastAPI, OpenAI API, LanfChain, Docker* [Github](#)

- Built production multi-agent AI generation system independently architecting prompt engineering, function calling, tool use, and agentic workflows from scratch with full ownership. Designed distributed job processing with automated QC validation implementing fault-tolerant generation pipeline with complete audit trail and production-ready reliability. Shipped with zero supervision built, tested, deployed, and documented entirely independently demonstrating extreme ownership and execution speed.

**SmartPDF Chat - RAG Generation Pipeline** | *Python, LlamaIndex, FAISS, Gemini AI* [Github](#)

- Built end-to-end AI generation and retrieval pipeline document ingestion, embedding generation, FAISS vector indexing, semantic search, and grounded LLM response generation at scale. Reduced hallucination rates by 30% through retrieval quality evaluation iterating rapidly on prompt architecture and context management for production-grade reliability. Shipped publicly documented, deployed, and adopted by peers without author involvement.

**AEO Diagnostic Tool** | *React, TypeScript, Python, CSS* [Github](#)

- Built full stack AI-powered product from scratch entirely on own initiative identifying market gap, designing solution, building frontend and backend, deploying live without being asked. Integrated AI APIs for intelligent analysis delivering real-time insights on AI search visibility with clean, fast product experience end-to-end. Demonstrates product instinct identified emerging problem in AI commerce space and shipped working solution independently.

## Experience

---

**Founding-Level AI & Full Stack Engineer**

Mar 2024 – Jan 2026

*EPAM Systems · DataValley IT Solutions · Zidio Development · Future Intern*

*Remote*

- Architected and shipped production AI systems independently building LLM agent workflows, generation pipelines, and agentic automation from scratch with extreme speed and full ownership.
- Built large-scale AI generation pipelines integrating OpenAI, Anthropic, and Google Gemini APIs implementing prompt architecture, function calling, tool use, and multi-step agent reasoning throughout.
- Designed and built full stack product experiences using React, Next.js, TypeScript, and Python owning frontend UX, backend APIs, and infrastructure end-to-end without waiting for instructions.
- Engineered RAG pipelines with vector database integration FAISS, ChromaDB, embedding generation, semantic retrieval, and reranking for intelligent AI-powered workflows at scale.
- Optimized AI pipeline latency and performance profiling bottlenecks, improving response times, and scaling generation systems for production reliability.
- Built internal AI tooling and automation systems leveraging AI aggressively as a force multiplier to ship faster, debug smarter, and iterate constantly on production systems.
- Experimented with new models weekly staying ahead of AI capability curves and integrating latest model improvements into production workflows independently.
- Collaborated directly with product and business stakeholders making product decisions, influencing UX, and translating customer problems into technical architecture end-to-end.

## Education

---

**BVC Engineering College**

July 2020 - July 2024

*Bachelor of Technology in Computer Science & Engineering, GPA : 8.42*

## Certifications

---

- Full Stack Developer Certification** - DataValley IT Solutions
- Front-End Technologies Certification** - EPAM Systems
- Azure Fundamentals Certification** - Microsoft
- Fundamentals of Cloud Security** - Palo Alto Networks

[Live](#)  
[Live](#)  
[Live](#)  
[Live](#)