# ANURAG SHUKLA

*Full-Stack & AI Engineer*

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## SKILLS

**Languages**
JavaScript (ES6+), TypeScript, Python, SQL, C++ (DSA)

**Frameworks & Libraries**
Next.js 14, React, Node.js, TailwindCSS, Convex, PostgreSQL

**AI & ML**
Python (Pandas/NumPy), OpenAI API, LangChain, RAG, Vector DBs (Pinecone/Chroma), Hugging Face

**Databases & Tools**
PostgreSQL, MongoDB, Docker, AWS, Git, Postman, Convex

## PROJECTS

**AI Roadmap Generator**
*Next.js, Convex, OpenAI API, TypeScript*
- **Engineered** a generative AI pipeline using **LangChain/OpenAI** to convert unstructured user prompts into strict JSON schemas for node-based roadmap visualization.
- **Implemented** database caching strategies via **Convex** to store generated maps, reducing average API costs by **40%** and latency by **60%** for repeat queries.
- **Designed** an interactive, drag-and-drop UI using **React Flow**, allowing users to customize learning paths in real-time.

**AI Resume Builder**
*React, Node.js, PostgreSQL, Docker*
- **Developed** a real-time resume editor featuring a dual-pane "Code-to-Preview" architecture, instantly rendering user input into ATS-friendly templates.
- **Integrated** OpenAI's GPT-4o model to provide context-aware suggestions, automatically rewriting weak bullet points into metric-driven achievements.
- **Optimized** PDF generation logic on the server-side to handle high-concurrency export requests, reducing download failure rate to **<1%**.

## EDUCATION

**United College of Engineering and Research** 🔗  10/2023 – Present
*Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning*  Prayagraj, India

## CERTIFICATIONS

Machine Learning Specialization (DeepLearning.AI / Stanford)

Full Stack Certification(freeCodeCamp)

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

## ACHIEVEMENTS

**Hackathons:** Participated in Multiple Hackathons(SIH ,Uhack)

**Content:** Created technical content on YouTube achieving 10k+ total views and 20% engagement rate.

**DSA:** Solved 350+ problems across LeetCode (Rating: 1650) and GFG.