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## SUMMARY:

Software Developer with 2+ years of experience specializing in automation testing and generative AI. Skilled in leveraging RAG, agents, and fine-tuning techniques to optimize AI applications. Proficient in Python, Selenium, and leading GenAI frameworks.

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## PROFESSIONAL SKILLS:

- **Programming Languages:** Python, C++
- **Frameworks & Tools:** LangChain, LlamaIndex, Streamlit, Flask, Ollama
- **Generative AI Technologies:** Open-source and paid LLM models (Llama 2, Mistral, OpenAI, Google Gemini Pro)
- **Databases:** SQL, MongoDB, VectorDBs (Chroma, FAISS)
- **Deployment Platforms:** AWS Bedrock, AWS (EC2, Lambda), Azure Functions, Hugging Face Spaces
- **AI/ML Techniques:** Fine-tuning with custom data, vector embedding, NLP, neural network optimization
- **Soft Skills:** Analytical thinking, problem-solving, teamwork, effective communication
- **IDEs:** PyCharm, Visual Studio Code, Replit
- **Certifications:** Infosys Certified Python Programmer, Infosys Certified Generative AI Professional, Infosys Certified Applied Generative AI Professional

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## WORK EXPERIENCE:

Infosys

20 june 2022 to present

Role : Digital specialist engineer

- **Model Fine-Tuning:** Customized open-source models to meet specific project requirements and performance goals.
- **Cloud Deployment:** Utilized AWS Bedrock for deploying AI models, ensuring scalability and reliability through cloud services.
- **SAP Migration:** Converted SAP ECC to S4HANA.
- **Testing and Development:** Created user stories, test cases, and test scripts. Developed datasets for fine-tuning and a SQL generator.
- **API Testing:** Generated API testing scripts from Swagger files.
- **RAG Techniques:** Implemented advanced RAG techniques through RAG fusion.
- **Multimodal Tasks:** Leveraged Gemini Vision for image-to-text and text-to-SQL generation.
- **Content Generation:** Created agents to gather information from the web and generate blog posts.

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## EDUCATION:

**Bachelor of Engineering in Computer Science** CV Raman Global University, Bhubaneswar, Odisha, India (2022) **Relevant Coursework:** Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Natural Language Processing

