





# ANCHIT NARAYAN

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## PROFESSIONAL SUMMARY

Experienced with creating robust software applications tailored to client needs. I specialize in building AI-powered solutions using Python, FastAPI, Elasticsearch, LangChain and LangGraph. Strong understanding of software development lifecycle and agile methodologies.

## SKILLS

- Programming: Python, C/C++, JavaScript, SQL.
- Frameworks: FastAPI, Uvicorn, Nginx, AWS(EC2, RDS), GCP, Git, LangChain, LangGraph.
- Skills: Problem Solving, Data Structures & Algorithms, Object Oriented Programming.
- Databases: Elastic Search, Redis, PostgreSQL, MySQL, Qdrant.

## EDUCATION

### Plaksha University

Mohali, India • 08/2023

**Post Graduate Diploma:** AI, ML & Leadership

Selected as one of 60 students from a pool of over 1,000 applicants

### Chandigarh University

Mohali, India • 07/2019

**B.E.:** Computer Science & Engineering

Graduated with an Honours in Big Data Engineering

## WORK HISTORY

### Bicycle AI - Software Engineer - AI Agents

Hyderabad, India • 01/2025 - Current

- Designed and implemented a LangGraph-based workflow that generates personalized sales content tailored to target companies, based on their domain input. The system automates content creation and integrates with a UI component to dynamically build custom websites for high-impact, company-specific sales pitches.
- Developed a report and data story generator tailored to company-specific requirements, enabling dynamic content creation from internal data. Integrated a secure code execution environment to allow custom script execution by company users.
- Created a unified workflow to handle multiple LLM model and stream outputs in real time, enabling the UI component to display responses continuously for a seamless user experience.

### Raptor Supplies Limited - Full Stack Engineer

New Delhi, India • 10/2023 - 01/2025

- Full Stack Engineer at Raptor Supplies, specializing in AI and backend technologies using Python, FastAPI, Elastic Search, Postgres and LangChain.
- Developed a Product Search Engine for the organization using Elastic Search, initially exploring both semantic and lexical search methods before opting for a hybrid lexical search approach. Achieved a query time of 0.4 seconds in Elastic Search for improved search performance.
- Worked on an advanced Retrieval Augmented Generation (RAG) system designed for the MRO (Maintenance, Repair, and Operations) industry. This system utilizes custom models and a prompt-based approach for intent classification and entity recognition, and it integrates with a database via Elasticsearch. The entire setup is hosted on Amazon EC2 with a FastAPI application and Nginx serving as the load balancer.
- The project aims to create a ChatGPT-like engine specifically tailored for the MRO sector, with various components that can also function independently.

- Technical Skills: Python, FastAPI, Uvicorn, AWS, OpenAI, Git, Langchain, Postgres, Shell, Nginx, EC2.

### **JM Financial (blinkX) - Data Science Intern**

*Mumbai, India • 03/2023 - 05/2023*

- Developed a Text Summarization workflow to summarize a 200-page financial document in 500, 1000 and 5000 words each.
- Created a workflow to create fragments and word embeddings of more than 1000 documents of around 200 pages each.
- Worked on creating hyper-personalized nudge and recommending based on user stock preference and market.
- Technical Skills: Python, GCP, Pandas, scikit-learn, OpenAI, Numpy.

### **FICO - Software Engineer**

*Bengaluru, India • 07/2019 - 06/2022*

- Worked on Angular, TypeScript and JavaScript to develop a Rapid Action Development Tool.
- Created a workflow to create fragments and word embeddings of more than 1000 documents of around 200 pages each.
- Worked on Cloudify (an orchestration tool) to automate deployment notifications. Developed a shell system which connects with the database and automatically informs users about the status of their deployments.
- Worked on Jenkins to automate and schedule manual tasks.
- Joined as an intern in January 2019 for 6 months and successfully transitioned to a full-time position. Developed an Ansible Plugin to automate the workflow, including the installation of Ansible on the VM and execution of playbooks with various inputs across multiple nodes.
- Technical Skills: Javascript, Typescript, Java, Ansible, Cloudify, Scripting.

## **LANGUAGES**

English: Professional proficiency    Hindi: Native proficiency

## **PROJECTS**

- **Sales Microsite - Bicycle AI**  
Developed a LangGraph-based workflow that generates personalized sales content from a target company's domain, helping the sales team craft tailored value propositions. The generated content is streamed to a UI component to build dynamic microsites for personalized outbound sales campaigns.  
*Technologies: LangGraph, Claude, OpenAI, Python*
- **MRO Chat Engine Development - Raptor Supplies**  
Designed a ChatGPT-like engine for the MRO industry using a modular RAG architecture with dedicated components for intent classification, entity recognition, and Elasticsearch-backed retrieval. Experimented with agentic models (CrewAI, OpenAI Assistants) for early-stage automation, later optimizing with a custom workflow.  
*Technologies: FastAPI, React, Qdrant, LangChain, OpenAI, Hugging Face, Python*
- **Document RAG Pipeline Development - Raptor Supplies**  
Built a document RAG pipeline using PDFMiner for text extraction and image conversion from PDFs, leveraging OpenAI

and Gemini for image analysis and table extraction.

Implemented chunking and Qdrant-based embedding search to enhance document-query performance.

*Technologies: PDFMiner, OpenAI, Gemini, Qdrant*

- **MRO Product Search - Raptor Supplies**

Developed a lexical search engine for MRO products using Elasticsearch, enabling efficient and accurate product retrieval from large catalogs.

*Technologies: Elasticsearch*

## ACHIEVEMENTS

- 2020 Leadership, Led a team of interns, providing training on design principles and project-specific technologies.
- 2019 Spot Award, Awarded by spot award(recognition for work) in consecutive months.
- 2014 School Football Team Captain, Captained football team in Class XIIth.