

TANAY AGARWAL

+91 9136863765 [✉ tanaytemani1@gmail.com](mailto:tanaytemani1@gmail.com) [in LinkedIn](#) [GitHub](#)

Education

DJ Sanghvi College of Engineering, Mumbai <i>B.Tech, CSE (Data Science)</i>	2024 CGPA : 8.9
Pace Junior College, Mumbai <i>XII (HSC)</i>	2020 83%
Shri Balaji International School, Mumbai <i>X (ICSE)</i>	2018 96%

Experience

TheAgentic (Zenith Software Limited) **May 2025-Present**

Artificial Intelligence Developer

- Built and productionized **multi-agent AI systems** using **PydanticAI**, enabling autonomous document intelligence, structured data extraction, and **agent-orchestrated reasoning** across documents and enterprise knowledge bases.
- Developed **enterprise-scale** autonomous agent ecosystems (15+ agents) for CRM, onboarding, and lifecycle analytics—integrated with **HubSpot, Salesforce, Slack, Gmail, Jira**, and more—delivering **end-to-end AI** automation for business operations.
- Designed advanced **retrieval-augmented reasoning, policy-intelligence**, and **strategic-recommendation agents** that generate insights, summarize complex artifacts, and support expert decision-making in insurance and other financial domains.
- Implemented **multimodal AI pipelines**, including **vision-augmented agents** and **web-intelligence agents** for deep research, data collection, and risk analysis.
- Coordinated directly with clients to refine requirements, optimize performance, and deliver **robust, production-ready AI solutions** across multiple high-impact initiatives.

Saint Gobain - INDEC **Jun 2024-May 2025**

Associate Software Engineer

- Acquired hands-on expertise in **Data Engineering tools** such as **Snowflake, Azure Data Factory (ADF)**, and **Azure Synapse Analytics**, complemented by earning **two Snowflake Badges**.
- Designed and developed **three Generative AI Chatbots**:
 - * **HR Chatbot** was designed to assist employees by answering queries related to HR policies, procedures, and employee-specific details like leave balances, payroll, and benefits.
 - * **BookOfIT Chatbot** for seamless IT knowledge support. A **Knowledge Graph** was used to organize structured data from Confluence. **LangGraph Agents** were used to process multi-step queries leveraging LLM to make decisions at different point, transforming it into an intuitive and interactive knowledge hub .
 - * **ServiceNow Chatbot** to assist with IT queries and ticket creation. **LangGraph Agents** was leveraged for various tasks such as solutionfinder, step counter, next-step finder which delivered the solution in sequential steps, ensuring clarity and ease of execution with agents using LLM.
- Leveraged state-of-the-art technologies, including **LangChain, LangGraph (Agentic Approach)**, and **Knowledge Graphs**, to ensure chatbots are efficient, context-aware, and aligned with business needs.

Shunya Dot Ek **Feb 2023 - Aug 2023**

Machine Learning Intern

- Increased product (**Divya Drishti**) accuracy to **97.6%**.
- Implemented **deep learning models** for various computer vision tasks, such as product recognition, object tracking and movement recognition. YOLO, Faster-RCNN, OpenCV

ICICI Prudential Life Insurance **Aug 2022 - Dec 2022**

Software Engineer Intern

- Decreased the average Bloomberg job file transfer time by over **40%** by automating project payment file transfer.
- Worked in collaboration with the **IT-SAP** team to ensure that the requirements of business users are understood and configuration of the SAP system meets the requirements.
- Assisted in Host-to-Host File Transfer Automation - **Investment Rationale Project**

Academic Projects

Big Data based Stock Market Analysis

- This project involved efficient processing and analysis of **large-scale stock market data** to gain valuable insights.
- Apache Kafka, Apache Spark, Hadoop, Docker

Story Weaver: Interactive Storytelling

- An interactive storytelling model that utilizes NLP techniques to comprehend user inputs and maintain context of evolving storylines in real-time.
- It employed **Reinforcement Learning** to adapt and optimize coherent and contextually relevant story continuations.
- NLP, GPT-3, Reinforcement Learning, TensorFlow, PyTorch

Parking Management System using Computer Vision

- The project included developing an **automated parking management** system based on **computer vision** aiming to streamline the overall parking process.
- OpenCV, Yolo, EasyOcr

Achievements

- Snowflake Data Warehouse Badge.
- Hackerrank Certified in Java (Intermediate).
- Infosys Springboard Data Science Certificate.
- AWS Cloud Architect Certificate.
- Snowflake Data Engineering Badge.
- Hackerrank Certified in Python(Intermediate).
- Infosys Springboard Artificial Intelligence Certificate.
- AWS Data Analytics Certificate.
- AWS Data Engineering Certificate.

Technical Skills

AI & LLM Ecosystem:

Agentic AI, PydanticAI, LangChain, LangGraph, CrewAI, RAG Pipelines, Vector Databases, Knowledge Graphs, LLM Orchestration, Prompt Engineering, NLP, Multimodal AI (Vision + Text)

Machine Learning:

TensorFlow, PyTorch, Deep Learning, Computer Vision, YOLO, CNNs, Transformers

Data / Backend:

SQL, Snowflake, Azure Data Factory (ADF), Azure Synapse Analytics, Apache Spark, Kafka, Hadoop

Programming:

Python, Java, C, JavaScript

DevOps / Tools:

Docker, Kubernetes, Linux, GitHub, Shell, React, Node.js

Soft Skills

Communication, Collaboration, Problem Solving, Critical Thinking
Time Management, Leadership, Consistent, Continuous Learner