# ARYAN CHACHRA

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GitHub LinkedIn

## Professional Summary

AI & Data Science Engineer with hands-on experience developing Generative AI and agentic AI systems, LLM-powered applications, and scalable backend services using Python and FastAPI. Currently working as a Junior Software Engineer at Compumatrice Multimedia Pvt. Ltd., building multi-agent workflows, LLM integrations, and AI-driven systems for real-world applications. Experienced in LLM evaluation, output quality analysis, and production-focused AI engineering, with a strong foundation in software engineering, system design, and cloud technologies.

## Education

**CHAMELI DEVI GROUP OF INSTITUTIONS** Indore, IN
*B.Tech in Artificial Intelligence and Data Science*
7.32 CGPA

**GIRME JUNIOR COLLEGE** Pune, IN
*12th Maharashtra Board*
88.67%

**CYGNET PUBLIC SCHOOL** Pune, IN
*10th Maharashtra Board*
73%

## Experience

**COMPUMATRICE MULTIMEDIA PVT. LTD.** 08/2025 – Present
*Junior Software Engineer*

- Designed and developed Generative AI and agentic AI systems using Python and FastAPI, enabling autonomous and multi-agent workflows.
- Built scalable backend services integrating LLMs for conversational, decision-driven, and intelligent AI applications.
- Developed and evaluated AI workflows with focus on LLM output quality, reliability, and consistent system behavior.
- Applied object-oriented design, data modeling, and clean architecture principles to build maintainable, production-focused AI systems.
- Collaborated with product and engineering teams to translate business requirements into AI-driven solutions and proof-of-concept implementations.

**TAYGETE SOFTWARE SOLUTIONS PVT. LTD.** 07/2024 – 07/2025
*Software Development Intern*

- Developed and maintained web applications using PHP, HTML, CSS, and jQuery, contributing to reliable and scalable application functionality.
- Integrated PayPal payment processing for one-time and recurring payments, along with custom authentication and Google and Facebook login.

- Optimized application performance and scalability while debugging and resolving issues across existing application code.

**GOOGLE DEVELOPER STUDENT CLUBS - CDGI** 07/2023 – 07/2024

*Lead*

- Led and coordinated technical workshops, hackathons, and tech talks, promoting hands-on learning and practical technology adoption.
- Collaborated with speakers, student teams, and the wider developer community to execute technical initiatives and drive participation.

**GOOGLE DEVELOPER STUDENT CLUBS - CDGI** 09/2022 – 04/2023

*PR and Outreach Insider (Executive)*

- Collaborated with the PR and Outreach team to plan and execute communication initiatives for technical events and community programs.
- Coordinated workshops, hackathons, and technical sessions while working with student teams and event stakeholders.

## Skills & Abilities

**Programming Languages:**
Python, PHP, Dart

**Core CS & Design:**
Object-Oriented Programming, Data Structures & Algorithms, Low-level Design

**AI & Machine Learning:**
Generative AI, LLMs, Agentic AI, LLM Evaluation, Output Quality Analysis, Automated Evals

**Web Technologies:**
React, Vite, HTML, CSS

**AI Engineering:**
FastAPI, REST APIs, LLM Integration, Multi-Agent Architectures, Scalable Backend Services

**Engineering Practices:**
Git, Debugging, Testing, Performance Optimization

**Database & Cloud:**
Qdrant, Supabase, Firebase, Google Cloud, AWS

## Projects

**SKYOPSHUB**

Developing an aviation-focused Generative AI system using LLMs and multi-agent workflows to automate complex operational decision-making and task coordination. Designed a scalable FastAPI backend supporting real-time AI workflows and intelligent decision support. Built automated scheduling workflows for aircraft, pilots, cabin crew, and engineers to improve resource utilization and operational efficiency. Focused on AI-driven workflow automation, system reliability, and production-oriented GenAI engineering.

**MINOR & MAJOR PROJECT - CARECONNECT**

Developed a cross-platform mobile application for CareConnect, a healthcare platform enabling users to check and book real-time hospital bed availability. Built the application using Flutter and integrated Django REST APIs for seamless communication with backend services. Designed a responsive user interface and independently implemented core mobile application functionality for a real-world healthcare use case.