

# ARYAN SHARMA

+91 9118000404 | [Portfolio](#) | [LinkedIn](#) | sharmaaryan1603@gmail.com

## SUMMARY

Computer Engineering student specializing in AI and ML, skilled in Python, TensorFlow, and scikit-learn, with hands-on experience in NLP, recommendation systems, and reinforcement learning. Passionate about building innovative, data-driven solutions.

## EDUCATION

BHARATI VIDYAPEETH (DU) COLLEGE OF ENGINEERING	Pune, Maharashtra
Bachelor of Technology in Computer Engineering – CGPA: 9.0 /10	2022-2026
St. Antony Inter College	Lucknow, Uttar Pradesh
Percentage: 80% (XII)	2022
St. Antony Inter College	Lucknow, Uttar Pradesh
Percentage: 81% (X)	2020

## EXPERIENCE

<b>SDE Intern – Bluestock Fintech</b>	July 2025 – Sep 2025
<ul style="list-style-type: none"><li>Designed and deployed <b>AI-powered backend modules</b>, reducing data processing latency by ~25% and improving recommendation accuracy by ~40% in financial workflows. Built and optimized <b>REST APIs and microservices</b> to handle real-time market data and user requests with better scalability.</li><li>Collaborated in <b>agile sprints</b> with developers and product teams, contributing to production-grade features for fintech applications. Gained hands-on experience with <b>cloud deployment, CI/CD pipelines</b>, and <b>version control (Git)</b> while working on real-world product integrations.</li></ul>	
<b>AI &amp; Cloud Intern – IBM SkillsBuild (Edunet Foundation, AICTE)</b>	July 2025 – Aug 2025
<ul style="list-style-type: none"><li>Built end-to-end projects on <b>IBM Cloud</b>, including <b>AI-powered chatbots</b> and <b>ML pipelines</b> using <b>Watsonx</b> and <b>AutoAI</b> improving automation efficiency by 75%. Conducted <b>data analytics and cloud experiments</b>.</li><li>Conducted <b>data analytics</b>, applying EDA and ML techniques to real-world datasets.</li></ul>	

## PROJECTS

<b>AI Medical Assistant &amp; Skin Disease Detection System</b>
<ul style="list-style-type: none"><li>Developed an AI-powered medical chatbot with symptom-based and image-based disease prediction using FastAPI, React, and ML models (Naive Bayes, Random Forest, Hugging Face).</li><li>Integrated Doctors API for specialist recommendations and deployed real-time analysis with joblib for text and image inputs.</li><li>Project Link: <a href="#">Medical Assistant</a>, System Architecture: <a href="#">Architecture Diagram</a></li></ul>
<b>Trippy – AI-Powered Travel Planning Assistant</b>
<ul style="list-style-type: none"><li>Built <b>VacAIgent</b>, a task-planning agent that generates structured, daily itineraries using <b>CrewAI</b> for intelligent, context-aware task division. Integrated into an <b>interactive Streamlit dashboard</b>, enabling users to explore personalized travel plans with ease.</li><li>Leveraged <b>FastAPI, Browserless APIs, and Agentic AI</b> to deliver a scalable, adaptive travel planning solution.</li><li>Project Link: <a href="#">Trippy Trip Planner</a>, System Architecture: <a href="#">Architecture Diagram</a></li></ul>
<b>Automated Book Publication Workflow</b>
<ul style="list-style-type: none"><li>Designed an <b>AI + human-in-the-loop pipeline</b> to automate publishing of public-domain books, including scraping, rewriting, reviewing, and versioning with metadata storage in <b>ChromaDB</b>. Enhanced quality control using <b>Reinforcement Learning (Q-Learning)</b> with a custom reward function that balances <b>grammar accuracy</b> and <b>lexical diversity</b> in generated text.</li><li>Developed an <b>interactive Streamlit interface</b> powered by Python, Gemini, and Playwright for seamless end-to-end book processing and scalable content management.</li><li>Project Link: <a href="#">Automated Book Publication Workflow</a></li></ul>

## SKILLS

- Programming Languages:** Python, Java, SQL, JavaScript, React
- Machine Learning & Data Science:** TensorFlow, PyTorch, scikit-learn, pandas, NumPy, LangChain, CrewAI, LangGraph
- Frameworks & Cloud:** Flask, Streamlit, Firebase, REST APIs, IBM Cloud, ChromaDB, FAISS, Qdrant, PostgreSQL
- Development Tools:** Git, GitHub, VS Code, IntelliJ IDEA, Anaconda, Jupyter Notebook
- Deployment Platforms:** Hugging Face Spaces, Render, Streamlit Cloud, Vercel
- Models & LLMs:** LLaMA 2, Mistral, OpenAI, Google Gemini Pro, DeepSeek, Groq

## CERTIFICATIONS

Getting Started with Artificial Intelligence ( <b>IBM</b> ) - Certificate	Jul 2025
Journey to Cloud: Envisioning Your Solution ( <b>IBM</b> ) - Certificate	Jul 2025
Generative AI with Large Language Models ( <b>Coursera</b> ) - Certificate	Apr 2025
Software Engineering, IIT Kharagpur ( <b>NPTEL</b> ) - Certificate	Jul 2023 – Oct 2023