

# Richang Chaudhary

[richangchaudhary@gmail.com](mailto:richangchaudhary@gmail.com) | (+91) 9125220088 | [in richang-chaudhary](#)

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## Professional Summary

Bachelor of Technology (B.Tech) Pre final year Computer Science Student with strong focus on Generative AI and Agentic ai. Skilled in Large Language Models (LLMs), Retrieval Augmented Generation (RAG) and AI automation frameworks to build smart intelligent autonomous AI Agents. Experienced in building real-world projects including chatbots, AI Automations and cloud based deployments. Achieved Google Cloud Arcade Standard Milestone (2024), demonstrating technical competence and contribution to Google Cloud technologies. Also 5 ★ on HackerRank and passionate about AI technologies while adhering best practices in testing, version control, and scalable application design, with the goal for delivering impactful solutions.

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## Skills

**Programming Languages:** Python, C++, Java, C

**Artificial Intelligence & Machine Learning:** Generative AI, Agentic AI Frameworks, LangChain, LangGraph, Retrieval-Augmented Generation (RAG), Reinforcement Learning, TensorFlow, Scikit-learn, OpenCV

**Web Development:** JavaScript, TypeScript, React, Node.js, HTML, CSS

**Databases:** SQL, MongoDB

**Cloud & Platforms:** Google Cloud Platform (GCP), Google Workspace

**Tools & Practices:** Git/GitHub, Unit Testing (pytest/JUnit), CI/CD workflows, Agile collaboration

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## Education

**SRM Institute of Science and Technology, Chennai, India**

(Aug 2023 – May 2027)

Bachelor of Technology (B.Tech) in Computer Science and Engineering

**JPS, Jaora**

(May 2023)

12<sup>th</sup> (CBSE)

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## Achievements

**Standard Milestone Achiever | Google Cloud Arcade**

Completed multiple labs on Google Cloud Platform covering AI/ML APIs, compute engine, IAM, and BigQuery. Gained experience in building, deploying and managing cloud based technologies, strengthening cloud computing and data handling skills.

**5 ★ Coder | HackerRank**

Achieved 5 ★ ratings in Problem Solving, C++ and python. Regularly practiced competitive coding challenges to enhance efficiency and code optimization skills.

**3rd Place Winner | Digizest 1.0 (National Hackathon, CTECH Dept. SRMIST)**

Developed an AI powered secure remote access system featuring real time video streaming, facial mesh authentication, and encrypted data transfer. Collaborated in a team to design, implement, the solution under tight deadlines, earning recognition for technical innovation and practical impact.

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## Experience

**Technical Team Member | TPHxSRMIST**

(March 2024 – Current)

actively involved in studying and contributing to cutting edge technologies including AI, blockchain, and development frameworks. Engaged in research and hands on projects aimed at exploring and advancing the intersection of these fields to drive technological innovation.

**Campus Ambassador Intern | IMUN**

(January 2025)

Promoted MUN conferences, engaged with student communities, facilitated registrations, and developed marketing and leadership skills.

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## Projects

### BizBoard- E-commerce Dashboard for sellers

- Implemented interactive data visualization using TypeScript, React, and Tailwind CSS, ensuring a seamless user experience.
- Integrated Supabase as a backend for database management and real time data fetching, enhancing performance without requiring authentication.

### Titanic passengers survival prediction

- Developed models using Logistic Regression, Decision Trees, and Random Forests to predict Titanic passenger survival.
- Conducted data preprocessing, feature engineering, and optimized model performance through hyperparameter tuning for accurate predictions

### Invezo - ML web-app for Stock Market

- Developed a full-stack web app using FastAPI for the backend and Next.js for the frontend, integrating an ML model for predictions.
- Implemented advanced features like real-time data visualization, interactive UI, and secure Google authentication.
- Optimized model inference and API performance, deployed on Bolt with scalable architecture.

### LangChain Llama2 Assistant – Ai powered local chat app

- Built a responsive AI chat interface using **Streamlit** and **LangChain**, leveraging the **LLaMA2 model via Ollama** for local inference without relying on cloud APIs.
- Integrated **LangChain prompt templates**, **custom output parsing**, and **chat chains** to handle dynamic user queries effectively.
- Handled SSL and API connection issues gracefully with robust error handling and connection test routines.