

# RAYYAN AHMED F.A. SIDDIQUI

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## EDUCATION

**Sardar Patel Institute of Technology**, Mumbai

2023 – Till Date

B.Tech in Computer Science and Engineering

Minor in Financial and Strategic Management

CGPA (Till 4th Semester): 8.69

**Mithibai College**, Mumbai

HSC - 2023

12th Science — Percentage: 86.8%

**Hansraj Morarji Public School**, Mumbai

SSC - 2021

Member of the Prefectorial Council, Recipient of State Scholarship

10th — Percentage: 89.8%

## SKILLS

<b>Programming</b>	C, Python, Java
<b>Web Development</b>	Node.js, Next.js, FastAPI
<b>Database Management</b>	MySQL, MongoDB, ChromaDB
<b>APIs</b>	RESTful APIs, JWT Authentication
<b>Deployment</b>	Render, Vercel
<b>Data Analysis</b>	Pandas, NumPy
<b>Data Visualization</b>	Matplotlib, Seaborn
<b>Machine Learning</b>	Regression Models, Data Preprocessing, Feature Engineering, Scikit-learn
<b>LLMs</b>	Gemini API, Retrieval-Augmented Generation (RAG), Sentence-Transformers

## SCOPE CERTIFICATION

**JPMorgan Chase College to Corporate Program**

March 2025-Ongoing

Selected for an industry-level certification and training by JPMorgan Chase & Co.

Built a foundational understanding of agile workflows and cloud technologies via focused academic sessions.

## PROJECTS

**DiploMate** -Next.js, Node.js, MongoDB, Python, FastAPI, Sentence-Transformers, ChromaDB July 2025

Developed a full-stack AI-powered Model United Nations assistant with user authentication, event creation, and chatbot integration.

Engineered hybrid RAG pipelines combining vector database search and Gemini APIs for context-aware responses.

Built chatbots scoped to events with toggles for general knowledge or event-specific memory using vector embeddings.

Enabled speech generation and persistent saving to both user profiles and context memory for reuse during sessions.

Deployed frontend on Vercel and backend microservices on Render with JWT-secured REST APIs for user and event flows.

**LEGO Price Prediction** - Python, scikit-learn, pandas, matplotlib April 2025

Applied multiple regression models to predict LEGO set prices.

Performed preprocessing via data cleaning, feature scaling, and log transformation.

Trained and evaluated models using scikit-learn and visualized results.

## EXTRACURRICULAR EXPERIENCE

**Training and Placement Office, SPIT**

Liaised with alumni to connect with hiring teams for placement opportunities.

Assisted in placement coordination and company outreach processes.