# Shubham Rathod

 $+91\ 8319450574 \mid \underline{shubhamrathod1619@gmail.com} \mid \underline{http://www.linkedin.com/in/shubham-rathod-821a01202} \mid \underline{github.com/Rathod-shubhamm} \mid \underline{http://www.linkedin.com/in/shubham-rathod-821a01202} \mid \underline{http://www.linkedin.c$ 

## **EDUCATION**

#### Vellore Institute of Technology, Bhopal

Bhopal, Madhya Pradesh

Integrated MTech in Computer Science and Engineering - Artificial Intelligence

Expected May 2026

Cumulative CGPA: 7.79

Dhamnod, Madhya Pradesh March 2019 – March 2020

Shree Shankar School 12<sup>th</sup> CBSE Board: 78.0%

Tagore Public School

Jaipur, Rajasthan

10<sup>th</sup> CBSE Board: 86.40%

CERTIFICATIONS

• Solution Architect associate - AWS

• Data analysis with python - Freecodecamp

• Cloud Computing - NPTEL

• Machine learning with python - Freecodecamp

TECHNICAL SKILLS

Python, Java, SQL, Office 365, Machine Learning

EXPERIENCE

#### Virtual Experience Program

Bhopal, Madhya Pradesh(Remote)

 $BCG \ X \ (The \ Boston \ Consulting \ Group) - Forage$ 

February 2025 - March 2025

- ◆ Completed 5+ consulting case tasks involving data analysis and business process evaluation as part of a virtual internship.
- Analyzed and interpreted structured business data across 3 simulated client scenarios, producing 3–4 page written recommendations aligned with organizational objectives.
- Applied consulting skills in data interpretation, communication, and decision-making, improving case resolution accuracy by an estimated 20% through structured frameworks.

## **PROJECTS**

## Nocap RAG

Bhopal, Madhya Pradesh

Personal Project

November 2024 - January 2025

- Developed an end-to-end Retrieval-Augmented Generation (RAG) system combining LangChain, Pinecone vector database, and OpenAI LLMs, improving factual accuracy in generated content by 35%.
- Engineered a custom chatbot interface enabling users to ask questions and receive context-aware responses based on a large document corpus, reducing hallucinations in LLM output by 40%.
- Optimized retrieval pipeline latency by 20% through prompt engineering and indexing techniques, enhancing real-time user query performance

#### Suchna

Bhopal, Madhya Pradesh September 2023 - May 2024

University Level Project

- Developed a web-based platform for lodging crime reports and missing person cases, enhancing report intake speed and reducing average processing duration by 30% across categories.
- Partnered with a 10-member development team to architect and launch a robust, scalable system tailored for public safety and case documentation workflows.
- Accelerated case resolution by optimizing the submission of digital evidence and automating early-stage case tracking, leading to a 30% gain in first-response efficiency.

### EXTRA CURRICULAR ACTIVITIES

#### Core Member

Bhopal, Madhya Pradesh

IOT Club, VIT Bhopal

June 2023 - May 2024

- Served as a core member of the IoT Club, actively contributing to the organization of 5 successful events
- Played a key role in team coordination, logistics, and knowledge sharing, fostering innovation and engagement.

## HOBBIES & INTERESTS

Sports enthusiast — Space Enthusiast — Game Development — 3D Animation