

# RISH DIAS

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## DETAILS

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India  
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Date of birth  
06 /07/ 2004

Nationality  
Indian

## LINKS

[Linkedin](#)  
[GitHub](#)

## SKILLS

Programming :  
Python, MATLAB, C, C++, Java,  
JavaScript

NLP Frameworks:  
SpaCy, NLTK, Hugging Face  
Transformers

Machine Learning:  
Scikit-learn, TensorFlow, Keras

Data Analysis:  
Pandas, NumPy

Database Management: MySQL

## LANGUAGES

English

Hindi



## PROFILE

- **AI/ML Developer and Data Science Enthusiast:** Proficient in Python, Pandas, NumPy, and scikit-learn.
- **Project Experience:** Developed a Dynamic NLP-Powered Chat Assistant (CAIC) for advanced conversational AI, along with a Travel Itinerary Planner and Health Monitoring System, and more.
- **Continuous Learner and Collaborator:** Regular user of emerging technologies, expanding skills through hands-on projects and collaborative experiences.



## EDUCATION

**B.Tech in Computer Science and Engineering , Symbiosis Institute of Technology , Pune**  
August 2022 — May 2026

**High School , Don Bosco Senior Secondary School, Navi Mumbai**  
June 2020 — June 2022



## PROJECTS

### Dynamic NLP-Powered Chat Assistant (CAIC)

Developing a Context-Aware Intelligent Chatbot (CAIC) that leverages state-of-the-art **NLP** models, including **LLaMA 3.1**, **spaCy**, and **SentenceTransformers**, to deliver dynamic and contextually relevant responses. Implemented advanced semantic search and intent recognition techniques to achieve precise query handling, significantly improving user engagement. Utilizing **Redis** for sophisticated session management to retain conversational context, driving intelligent decision-making and personalized user experiences

### Travel Itinerary Generation System

Integrated Large Language Models such as **Mixtral 8x7B**, **Gemma 7B** for intelligent travel suggestions and created **RESTful** endpoints for seamless communication. Managed **MySQL**, implemented **Razorpay** for payments, and developed intuitive UIs using HTML, CSS, and JavaScript.

### Comprehensive Health and Environmental Monitoring System

Accomplished health and environmental monitoring as measured by sensor data accuracy, by utilizing **Arduino Uno** with **MAX30100** and **DHT11** sensors and implementing Bluetooth for data transmission. Ensured robust performance and user satisfaction by managing the full development life cycle and developing a user-friendly mobile app for caregivers.



## EXTRA-CURRICULAR ACTIVITIES

**Coordinator at Training and Placement Cell, Pune**  
March 2024

**Programming Member at Rotonity Club, Pune**  
August 2023 — July 2024