

Rushik Dumpala

Roll No.: B122047

B.Tech - Computer Science Engineering

International Institute Of Information Technology,Bhubaneswar

+91-9063204258

rushikdumpala2809@gmail.com

LinkedIn | GitHub

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	International Institute of Information Technology Bhubaneswar	7.43(Current)	2022-Present
Senior Secondary	BIE AP	96.9%	2020-2022
Secondary	State Board	99.66%	2018-2020

EXPERIENCE

- **MITHR** May. 2024 - Jun. 2024
Research& AI Intern
 - Conducted research on teenage mental health by analyzing behavioral patterns and emotional indicators using AI and machine learning techniques.
 - Developed an AI-powered mental health chatbot designed to provide preliminary support, detect early signs of mental distress, and direct users to professional help if needed.
 - Gained hands-on experience in applying AI and NLP to mental health research, developing an empathetic chatbot for teenagers in collaboration with psychologists.

PROJECTS

- **Weather-App System** link
Technologies Used : Python, OpenWeathermap API,Tkinter(GUI),JSON,urllib
 - Built a weather forecasting app with a **Tkinter** GUI that fetches and displays real-time weather data for Indian states using OpenWeatherMap API, **urllib**, and **JSON**for seamless data parsing and presentation.
- **ATS Resume Expert** link
Technologies Used :Python,Google-Gemini-AI,PIL,pdf2image,Streamlit
 - Developed an ATS system leveraging **Google Gemini** to analyze resume images and job descriptions, generating match percentages and feedback by evaluating keyword relevance, skills, and job fit.
- **Blog Generator** link
Technologies Used :Python,Langchain,LLAMA-2 MODEL,GGML,CTransformers,Streamlit
 - Developed an AI-powered blog generation app using **Streamlit**, **Langchain**, and a locally hosted **LLaMA 2** model via **CTransformers**.
 - The app allows users to generate customized blogs by entering a topic, word count, and target audience, with real-time responses generated offline.
- **Contextual PDF-Bot** link
Technogies Used :streamlit, Google-Gemini, dotenv,langchain,PyPDF2,FAISS
 - Developed a **Streamlit-based** web app that enables users to query multiple PDF documents using natural language, powered by **Google Gemini** and **LangChain**.
 - Implemented PDF parsing, chunking, **FAISS** vector indexing, and semantic search for accurate, real-time responses.

SKILLS

- Programming:** C/C++, Python, SQL
- Libraries & Frameworks:** FastAPI, TensorFlow, PyTorch, Keras, FAISS, Tkinter, Pandas, NumPy, Seaborn, Matplotlib, Langchain, PIL, pdf2image,PyPDF2, Transformers, JSON, urllib, Streamlit
- Tools & Technologies:** Git, GitHub, PyCharm, Canva, VS Code, Jupyter Notebook, Hugging Face,Gemini-AI
- CS Fundamentals:** OOP, OS*, DBMS, DCCN*, Model Checking*, TOC* * Elementary proficiency

KEY COURSES TAKEN

- Data Structures and Algorithms, Design Analysis & Algorithms, C, C++, Python Programming ,DBMS(Theory & Lab), Artificial Intelligence, DSAI, Computer Vision,Computer Networks.

ACHIEVEMENTS

- **TOP 5 IN BUSSINESS PLAN CONTEST - E-CELL**, 2024
Conducted By Indian Institute of Technology, Bhubaneswar.
- **FINALIST IN D3 HACKATHON** , 2024
Conducted By IIIT, Bhubaneswar.