RITIK KUMAR

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SUMMARY

Data Scientist with over 1 year of experience in AI and data analysis, specializing in machine learning and natural language processing. Notable projects include an AI-based legal document assistant and a research internship on complex networks. Demonstrated leadership as Vice President of a Literature Club and Editor of a university newsletter. Eager to apply skills in data visualization and analysis to drive innovative solutions.

EDUCATION

University Teacing Department, Chhattisgarh Swami Vivekanand Technical University　　　**Dec 2021 - Present**
B. Tech. CSE(HONS.) Data Science 6th Semester　　　*Chhattisgarh, India*
5th semester 69.2%

Loyola High School　　　**Jun 2018 - Apr 2020**
Higher Secondary:　　　*Kurj, Patna, Bihar, India*
88%

Gyanodaya Gurukul, West Bailey Road　　　**Apr 2016 - Apr 2018**
Secondary:　　　*Dinapore, India*
84%

CERTIFICATIONS

- **AI for INDIA 2.0**: GUVI Geek Networks, IITM Research Park | August 2023
- **Data Analysis with Python**: freecodecamp.org | August 2023
- **Full Stack Web Development with ReactJS, Angular and NodeJS**: Udemy | August 2023
- **Android Development**: Centre for Skill Development and Informal Education, Chhattisgarh Swami Vivekanand technical University, Bhilai C.G. | September 2022

PROJECTS

Financial Relevant Fact Extraction　　　**Apr 2024 - May 2024**
- Olmo-7B and llama3-8b-Instruct FineTuned on FinQA dataset for Relevant Facts Extraction

Financial Sentiment Analysis　　　**Mar 2024 - Apr 2024**
- Omo-7B and llama3 finetuned on "Trillion Dollar Words: A New Financial Dataset"

Text2Speech Model based on sentiment of text　　　**Feb 2024 - Mar 2024**
- Task Assigned by Supervisor under ongoing Internship
- Collected audio dataset with emotions
- Preprocessed Sentiment analysis of text using OpenAI API
- Given Reference audio based on classified sentiment
- Two models implemented: WHisperSpeech by openai and TTS by coqui-ai

Financial Fraud Detection notebook　　　**Jan 2024 - Jan 2024**
- Task Assignment of Internship Application by Insaid Company
- The dataset of transaction provided by Insaid used to train Random Forest and Desicion Tree Classifier

AI Based Legal Word Document Assistant　　　**Oct 2023 - Jan 2024**
- Minor Project 5th Semester
- Answers Legal queries
- Works on embedding query search model
- Answered legal queries using an AI-based model, improving response accuracy and efficiency
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Online React Based Code Editor　　　**Aug 2023 - Sep 2023**
- Vocational Training Project 4th Semester
- Compile simple codes of programming languages

Timetable Generator　　　**Feb 2023 - Mar 2023**
- Independent Project 3rd Semester
- Pyhton GUI for generating timetables for educational institutions

Skills

- **languages**: hindi, english
- **programming languages**: c, c++, python, r
- **tools**: git
- **Others**: technical support, volunteering, editor, designer, data science, machine learning, natural language processing, data visualization, data analysis

Work Experience

Complex Networks Research Group Laboratory, Indian Institute of Technology, Kharagpur   **Feb 2024 - Jun 2024**
Research Intern   *West Bengal, India*

Training and Placement Cell, UTD, Chhattisgarh Swami Vivekanand Technical University, Bhilai   **Nov 2023 - Present**
Vice President   *Chhattisgarh, India*

University Teaching Department,Chhattisgarh Swami Vivekanand Technical University, Bhilai   **Oct 2023 - Jan 2024**
AI Based Legal Word Document Assistant Project Member   *Chhattisgarh, India*

University Teaching Department,Chhattisgarh Swami Vivekanand Technical University, Bhilai   **Jul 2022 - Mar 2024**
Newsletter Editor and Designer   *Chhattisgarh, India*

Literature Club, University Teaching Department, Chhattisgarh Swami Vivekanand Technical University, Bhilai **Mar 2022 - Dec 2022**
Vice President   *Chhattisgarh, India*